

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041625\  
 Data File : BP024307.D  
 Acq On : 16 Apr 2025 11:45  
 Operator : RC/JU  
 Sample : PB167599BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB167599BS

Quant Time: Apr 16 13:04:26 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP041425.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 15 04:48:42 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.728  | 152  | 301982   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.504 | 136  | 1205511  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.363 | 164  | 692603   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.163 | 188  | 1235309  | 20.000  | ng    | -0.02    |
| 76) Chrysene-d12              | 21.622 | 240  | 1127025  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.980 | 264  | 1273745  | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.352  | 112  | 2790519  | 152.790 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.916  | 99   | 3463864  | 138.510 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.881  | 82   | 2066999  | 97.770  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.875 | 330  | 1363074  | 142.246 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl          | 12.969 | 172  | 4423000  | 97.778  | ng    | -0.01    |
| 79) Terphenyl-d14             | 19.898 | 244  | 5784419  | 103.452 | ng    | -0.02    |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.293  | 88   | 314221   | 40.675  | ng    | 99       |
| 3) Pyridine                   | 3.687  | 79   | 812316   | 39.822  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.593  | 42   | 312427   | 46.149  | ng    | 97       |
| 6) Aniline                    | 7.069  | 93   | 840608   | 37.616  | ng    | 99       |
| 8) 2-Chlorophenol             | 7.305  | 128  | 1000170  | 49.049  | ng    | 100      |
| 9) Benzaldehyde               | 6.881  | 77   | 378861   | 30.626  | ng    | 98       |
| 10) Phenol                    | 6.940  | 94   | 1217414  | 48.528  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.158  | 93   | 923542   | 45.691  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.616  | 146  | 1032022  | 47.011  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.763  | 146  | 1044131  | 46.878  | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 8.075  | 146  | 1004865  | 46.721  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.969  | 79   | 779685   | 48.210  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.246  | 45   | 1035014  | 47.374  | ng    | 99       |
| 17) 2-Methylphenol            | 8.175  | 107  | 820700   | 50.571  | ng    | 100      |
| 18) Hexachloroethane          | 8.799  | 117  | 385506   | 47.892  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 8.528  | 70   | 674711   | 43.610  | ng    | 99       |
| 20) 3+4-Methylphenols         | 8.499  | 107  | 1098508  | 48.783  | ng    | 100      |
| 22) Acetophenone              | 8.546  | 105  | 1384168  | 46.391  | ng    | # 100    |
| 24) Nitrobenzene              | 8.922  | 77   | 997269   | 47.684  | ng    | 100      |
| 25) Isophorone                | 9.440  | 82   | 1860875  | 48.628  | ng    | 100      |
| 26) 2-Nitrophenol             | 9.622  | 139  | 509876   | 49.817  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 9.687  | 122  | 891789   | 69.393  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 9.916  | 93   | 1212188  | 46.891  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.157 | 162  | 867673   | 49.517  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.363 | 180  | 897647   | 47.813  | ng    | 98       |
| 31) Naphthalene               | 10.552 | 128  | 2845867  | 44.816  | ng    | 99       |
| 32) Benzoic acid              | 9.846  | 122  | 625565   | 41.775  | ng    | 99       |
| 33) 4-Chloroaniline           | 10.663 | 127  | 299999   | 13.415  | ng    | 98       |
| 34) Hexachlorobutadiene       | 10.840 | 225  | 536427   | 48.624  | ng    | 99       |
| 35) Caprolactam               | 11.457 | 113  | 270008   | 41.761  | ng    | 99       |
| 36) 4-Chloro-3-methylphenol   | 11.798 | 107  | 928778   | 45.507  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.163 | 142  | 1777803  | 40.368  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 12.381 | 142  | 1865879  | 43.309  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.540 | 216  | 958484   | 50.323  | ng    | # 98     |
| 41) Hexachlorocyclopentadiene | 12.522 | 237  | 1429111  | 212.151 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.781 | 196  | 659069   | 52.046  | ng    | 97       |

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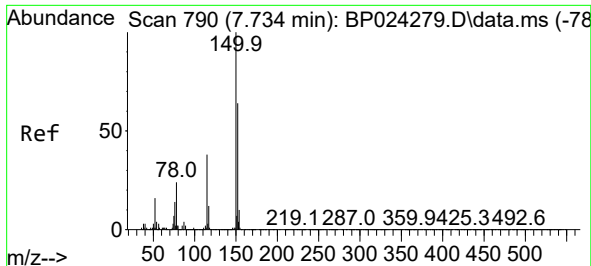
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 BNA\_P  
 ClientSampleId :  
 PB167599BS

Quant Time: Apr 16 13:04:26 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP041425.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 15 04:48:42 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.857 | 196  | 718643   | 51.248 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 13.181 | 154  | 2461557  | 48.351 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 13.222 | 162  | 1854265  | 48.733 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.434 | 65   | 529997   | 49.658 | ng    | 98       |
| 49) Acenaphthylene            | 14.081 | 152  | 3059129  | 51.065 | ng    | 100      |
| 50) Dimethylphthalate         | 13.816 | 163  | 2293991  | 45.545 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 13.934 | 165  | 501003   | 46.843 | ng    | 98       |
| 52) Acenaphthene              | 14.428 | 154  | 1737493  | 45.749 | ng    | 100      |
| 53) 3-Nitroaniline            | 14.263 | 138  | 225208   | 20.035 | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 14.481 | 184  | 616619   | 97.875 | ng    | 97       |
| 55) Dibenzofuran              | 14.769 | 168  | 2753340  | 44.352 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.592 | 139  | 933046   | 96.107 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 14.734 | 165  | 703152   | 48.195 | ng    | 99       |
| 58) Fluorene                  | 15.428 | 166  | 2168790  | 45.130 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 14.998 | 232  | 596270   | 46.103 | ng    | 99       |
| 60) Diethylphthalate          | 15.204 | 149  | 2261118  | 43.563 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.428 | 204  | 1064188  | 45.602 | ng    | 99       |
| 62) 4-Nitroaniline            | 15.451 | 138  | 495024   | 41.599 | ng    | 95       |
| 63) Azobenzene                | 15.728 | 77   | 2108466  | 44.197 | ng    | 100      |
| 65) 4,6-Dinitro-2-methylph... | 15.510 | 198  | 380553   | 48.863 | ng    | 94       |
| 66) n-Nitrosodiphenylamine    | 15.645 | 169  | 1876900  | 50.904 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.339 | 248  | 681582   | 50.449 | ng    | 98       |
| 68) Hexachlorobenzene         | 16.451 | 284  | 812194   | 50.591 | ng    | 99       |
| 69) Atrazine                  | 16.622 | 200  | 630691   | 67.161 | ng    | 99       |
| 70) Pentachlorophenol         | 16.816 | 266  | 1091811  | 97.486 | ng    | 99       |
| 71) Phenanthrene              | 17.210 | 178  | 3213132  | 47.680 | ng    | 100      |
| 72) Anthracene                | 17.304 | 178  | 3294916  | 50.730 | ng    | 99       |
| 73) Carbazole                 | 17.586 | 167  | 2968495  | 46.776 | ng    | 100      |
| 74) Di-n-butylphthalate       | 18.175 | 149  | 3652140  | 46.192 | ng    | 100      |
| 75) Fluoranthene              | 19.304 | 202  | 3504610  | 43.726 | ng    | 100      |
| 77) Benzidine                 | 19.504 | 184  | 1221501  | 85.503 | ng    | 99       |
| 78) Pyrene                    | 19.680 | 202  | 3619177  | 50.530 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.633 | 149  | 1553494  | 50.638 | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.610 | 228  | 3434274  | 49.025 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.522 | 252  | 754810   | 30.699 | ng    | 99       |
| 83) Chrysene                  | 21.674 | 228  | 3183239  | 47.431 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.545 | 149  | 2239743  | 49.802 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.833 | 149  | 3728987  | 51.003 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.809 | 276  | 4867750  | 55.047 | ng    | 94       |
| 88) Benzo(b)fluoranthene      | 23.927 | 252  | 3594046  | 47.074 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.998 | 252  | 3572284  | 48.438 | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.827 | 252  | 3490438  | 52.999 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 28.880 | 278  | 3983698  | 54.275 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 29.986 | 276  | 3943803  | 52.789 | ng    | 99       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

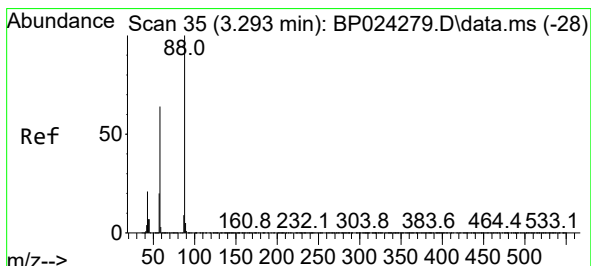
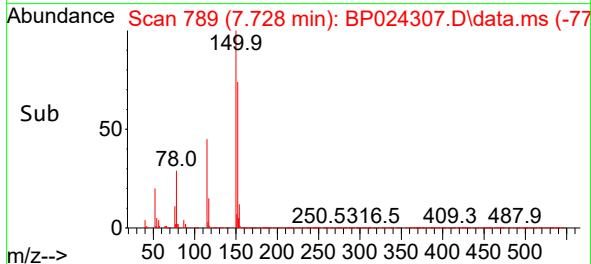
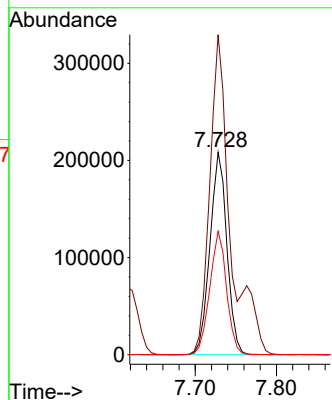
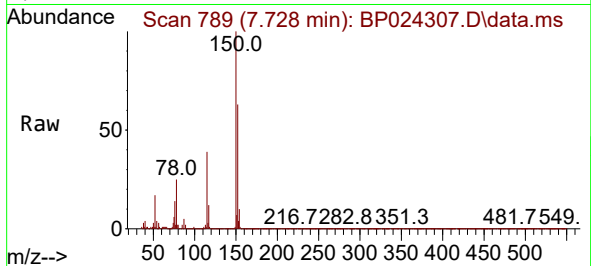




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.728 min Scan# 71  
 Delta R.T. 0.000 min  
 Lab File: BP024307.D  
 Acq: 16 Apr 2025 11:45

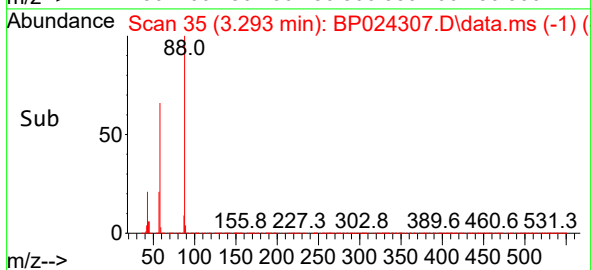
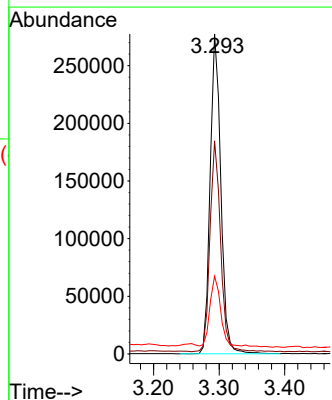
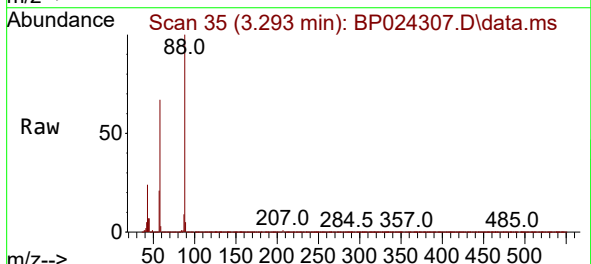
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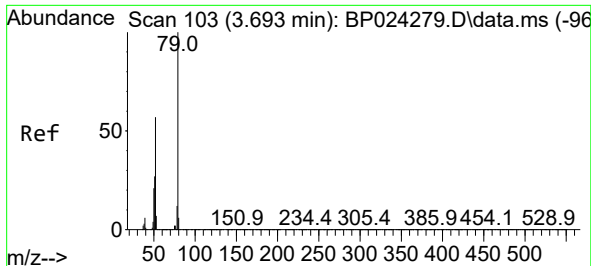
Tgt Ion:152 Resp: 301982  
 Ion Ratio Lower Upper  
 152 100  
 150 158.1 124.9 187.3  
 115 61.0 47.7 71.5



#2  
 1,4-Dioxane  
 Concen: 40.675 ng  
 RT: 3.293 min Scan# 35  
 Delta R.T. 0.000 min  
 Lab File: BP024307.D  
 Acq: 16 Apr 2025 11:45

Tgt Ion: 88 Resp: 314221  
 Ion Ratio Lower Upper  
 88 100  
 58 65.7 51.4 77.2  
 43 21.3 17.1 25.7

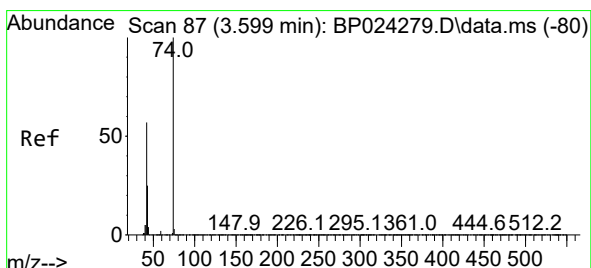
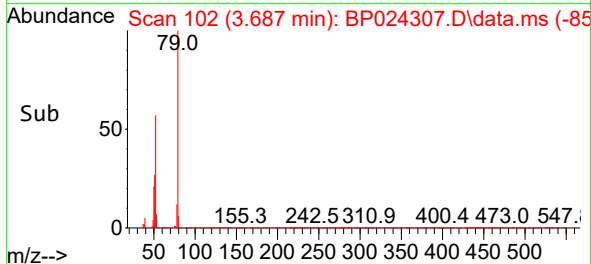
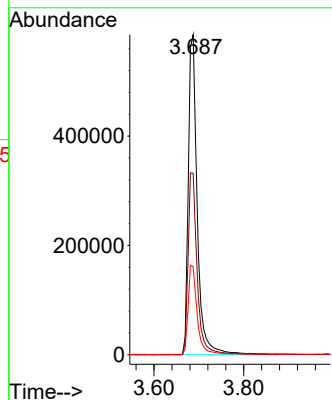
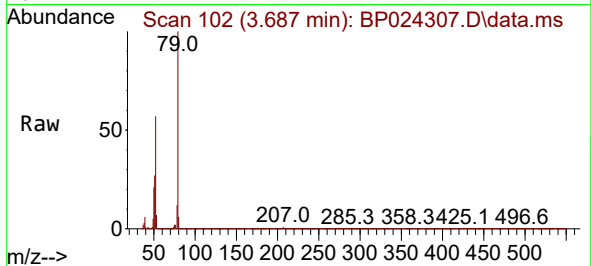




#3  
Pyridine  
Concen: 39.822 ng  
RT: 3.687 min Scan# 103  
Delta R.T. 0.000 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

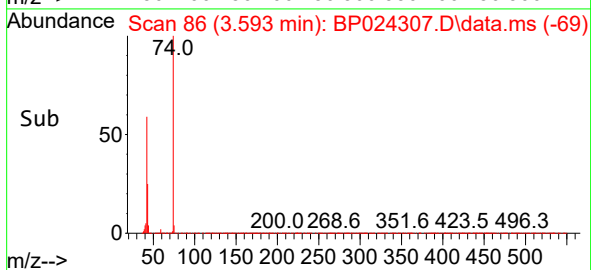
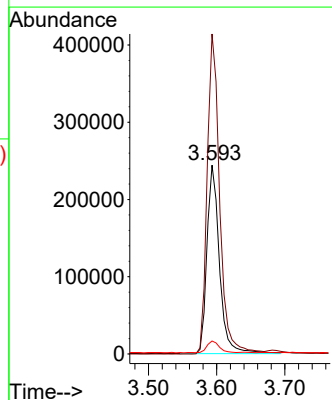
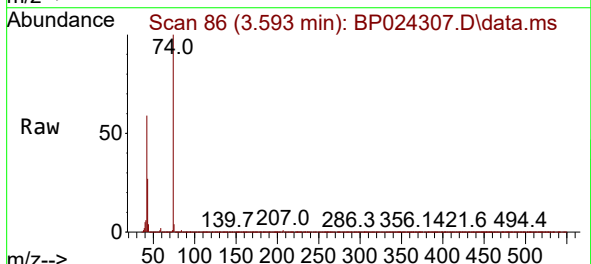
Instrument :  
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ClientSampleId :  
PB167599BS

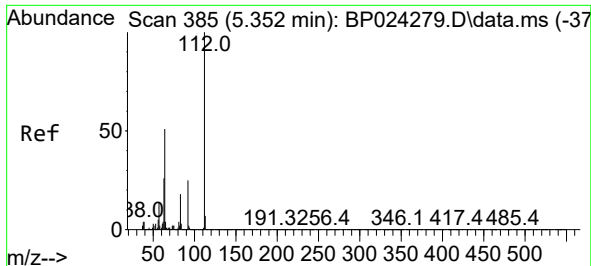
Tgt Ion: 79 Resp: 812316  
Ion Ratio Lower Upper  
79 100  
52 56.7 45.4 68.2  
51 27.5 22.6 33.8



#4  
n-Nitrosodimethylamine  
Concen: 46.149 ng  
RT: 3.593 min Scan# 86  
Delta R.T. 0.000 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

Tgt Ion: 42 Resp: 312427  
Ion Ratio Lower Upper  
42 100  
74 169.5 139.5 209.3  
44 6.9 5.8 8.8

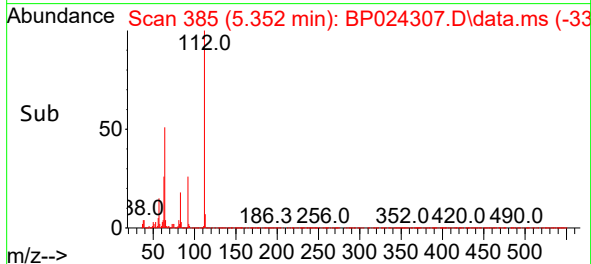
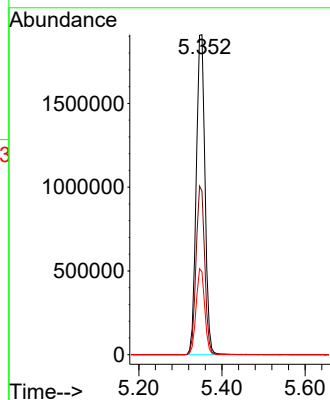
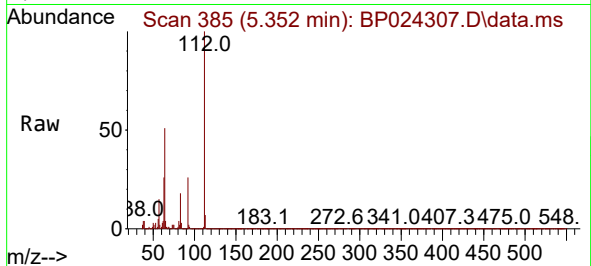




#5  
2-Fluorophenol  
Concen: 152.790 ng  
RT: 5.352 min Scan# 385  
Delta R.T. 0.000 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

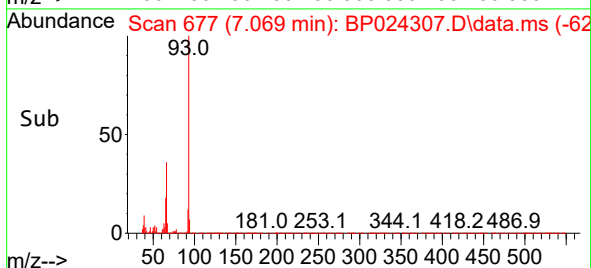
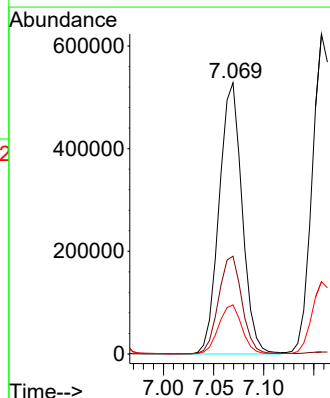
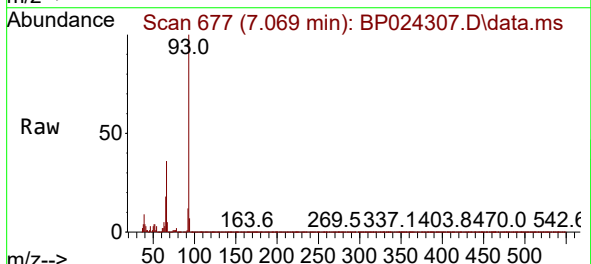
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ClientSampleId :  
PB167599BS

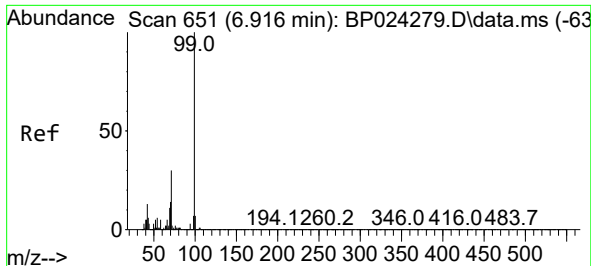
Tgt Ion:112 Resp: 2790519  
Ion Ratio Lower Upper  
112 100  
64 51.1 41.1 61.7  
63 25.9 20.6 30.8



#6  
Aniline  
Concen: 37.616 ng  
RT: 7.069 min Scan# 677  
Delta R.T. 0.000 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

Tgt Ion: 93 Resp: 840608  
Ion Ratio Lower Upper  
93 100  
66 36.1 29.1 43.7  
65 18.1 14.7 22.1

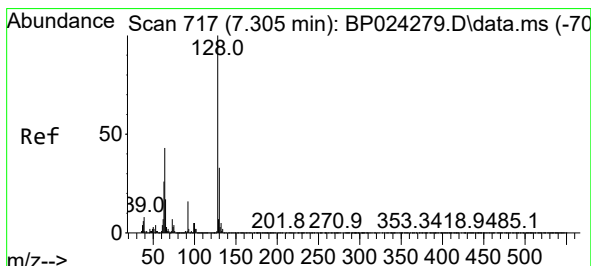
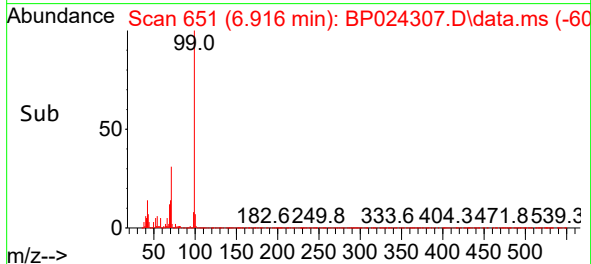
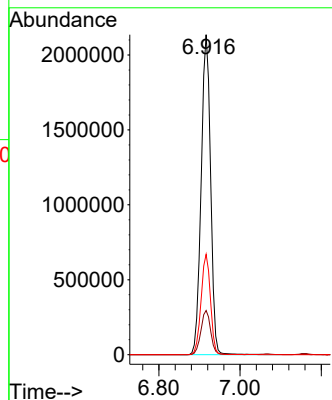
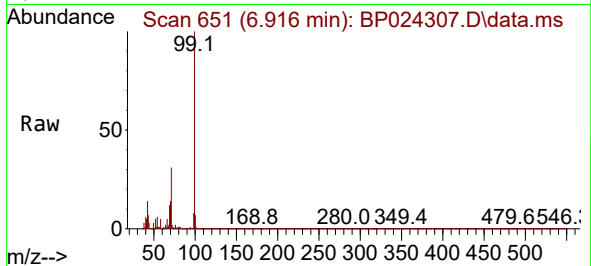




#7  
Phenol-d6  
Concen: 138.510 ng  
RT: 6.916 min Scan# 651  
Delta R.T. 0.000 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

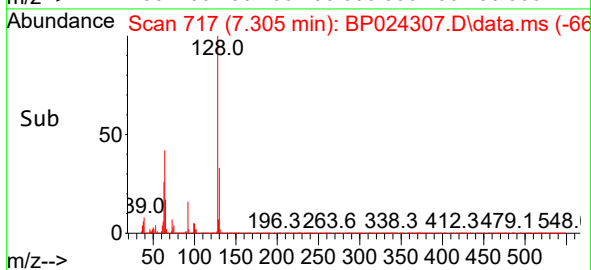
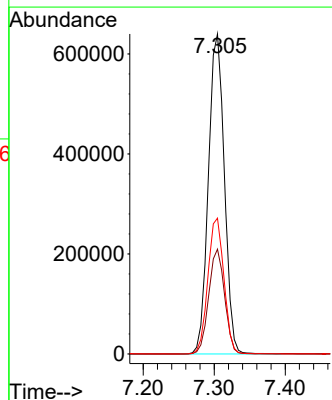
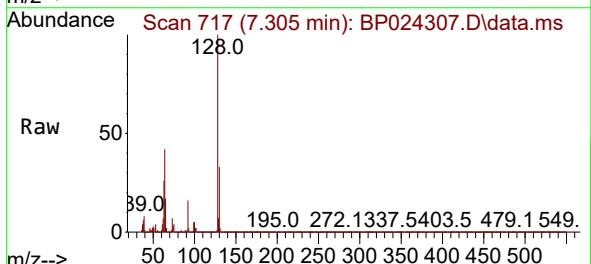
Instrument :  
BNA\_P  
ClientSampleId :  
PB167599BS

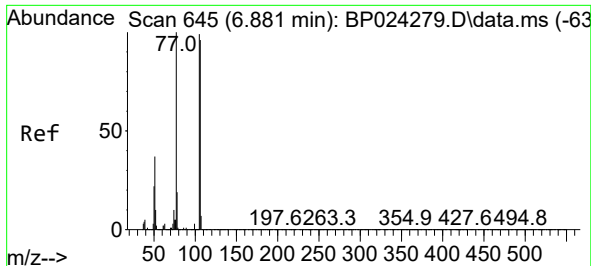
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Ion Ratio Lower Upper  
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42 13.8 10.6 16.0  
71 31.3 23.7 35.5



#8  
2-Chlorophenol  
Concen: 49.049 ng  
RT: 7.305 min Scan# 717  
Delta R.T. 0.000 min  
Lab File: BP024307.D  
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Tgt Ion:128 Resp: 1000170  
Ion Ratio Lower Upper  
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64 42.5 22.7 62.7

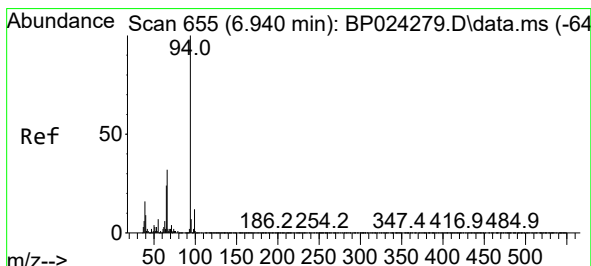
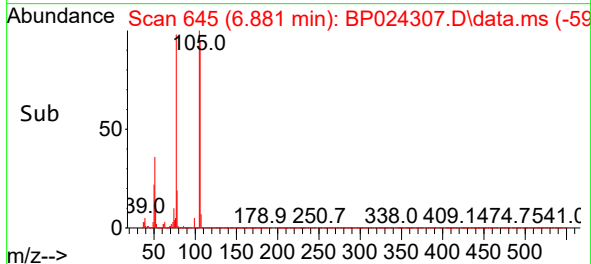
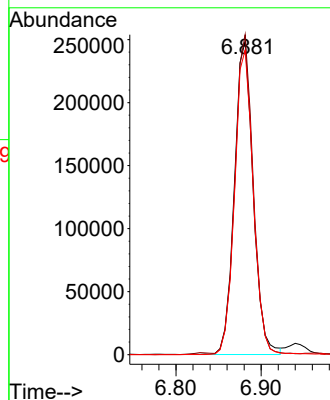
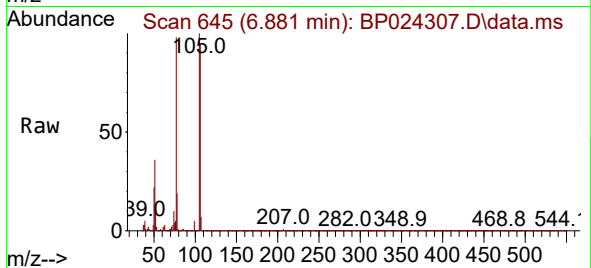




#9  
Benzaldehyde  
Concen: 30.626 ng  
RT: 6.881 min Scan# 645  
Delta R.T. 0.000 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

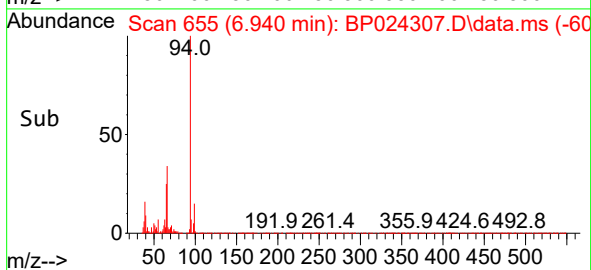
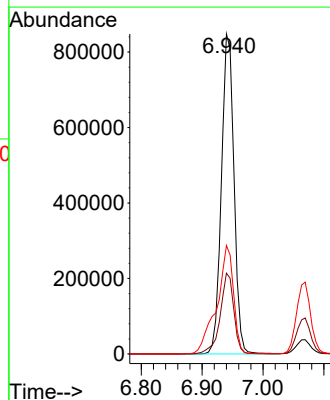
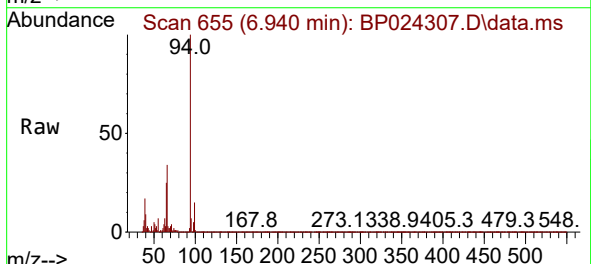
Instrument :  
BNA\_P  
ClientSampleId :  
PB167599BS

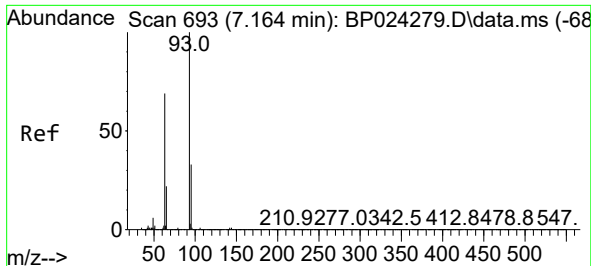
Tgt Ion: 77 Resp: 378861  
Ion Ratio Lower Upper  
77 100  
105 102.1 79.2 119.2  
106 97.2 76.2 116.2



#10  
Phenol  
Concen: 48.528 ng  
RT: 6.940 min Scan# 655  
Delta R.T. -0.006 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

Tgt Ion: 94 Resp: 1217414  
Ion Ratio Lower Upper  
94 100  
65 25.3 4.5 44.5  
66 33.9 12.4 52.4

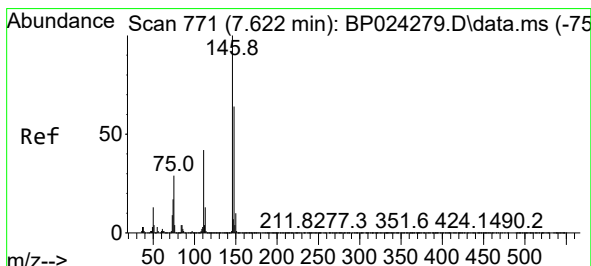
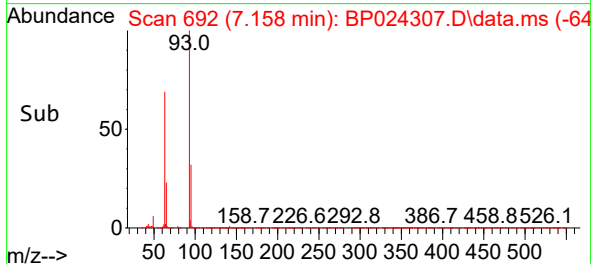
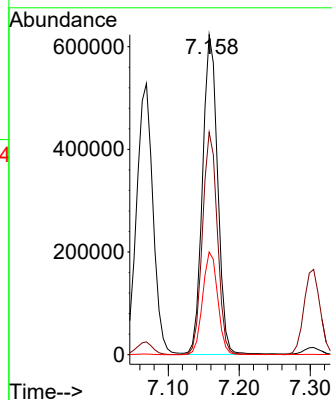
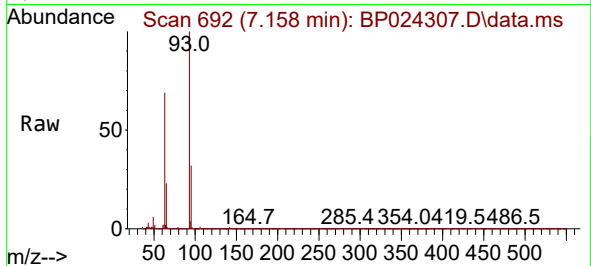




#11  
bis(2-Chloroethyl)ether  
Concen: 45.691 ng  
RT: 7.158 min Scan# 693  
Delta R.T. -0.006 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

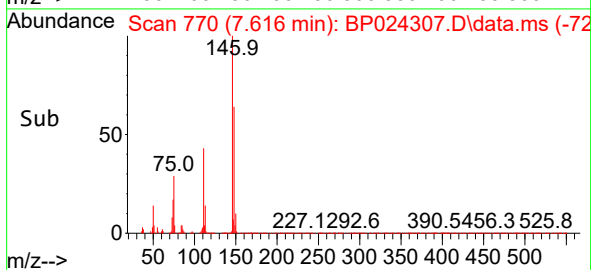
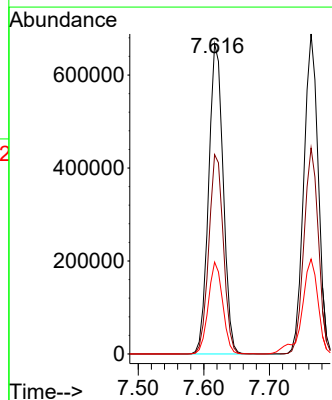
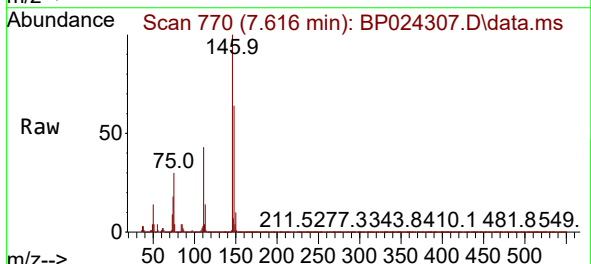
Instrument :  
BNA\_P  
ClientSampleId :  
PB167599BS

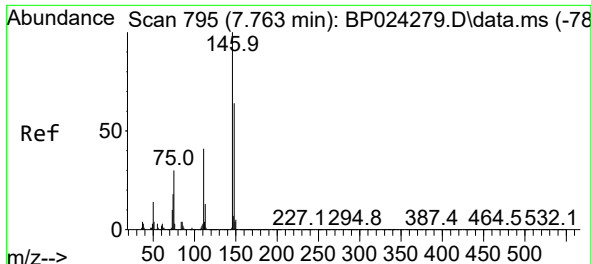
Tgt Ion: 93 Resp: 923542  
Ion Ratio Lower Upper  
93 100  
63 69.5 48.6 88.6  
95 32.1 12.3 52.3



#12  
1,3-Dichlorobenzene  
Concen: 47.011 ng  
RT: 7.616 min Scan# 770  
Delta R.T. -0.006 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

Tgt Ion:146 Resp: 1032022  
Ion Ratio Lower Upper  
146 100  
148 64.3 51.4 77.0  
75 29.6 22.9 34.3

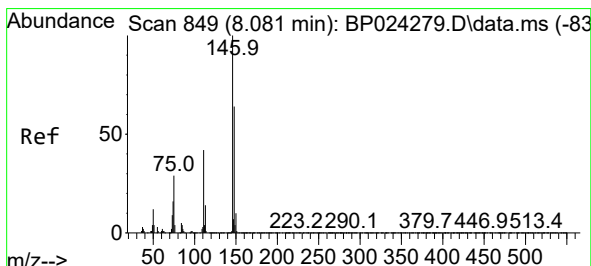
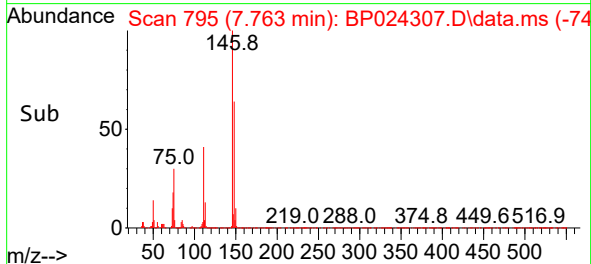
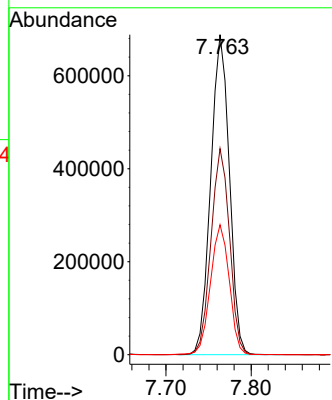
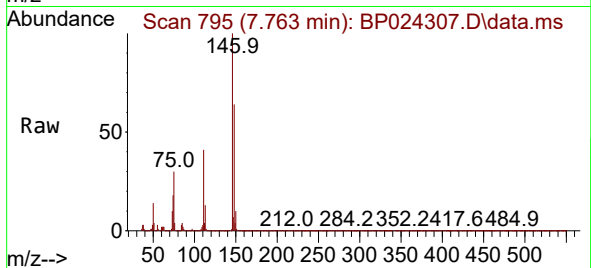




#13  
1,4-Dichlorobenzene  
Concen: 46.878 ng  
RT: 7.763 min Scan# 795  
Delta R.T. 0.000 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

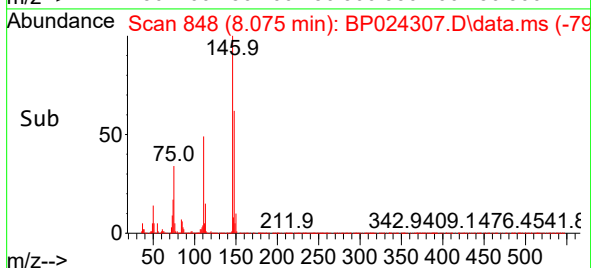
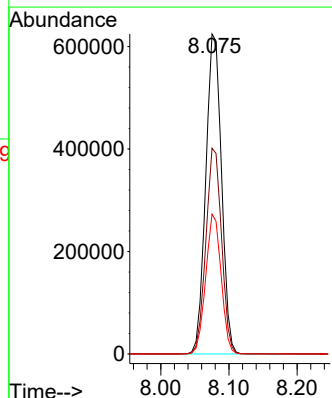
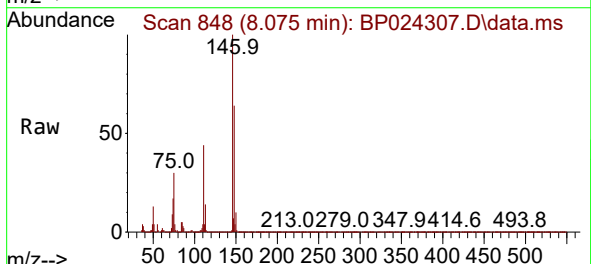
Instrument :  
BNA\_P  
ClientSampleId :  
PB167599BS

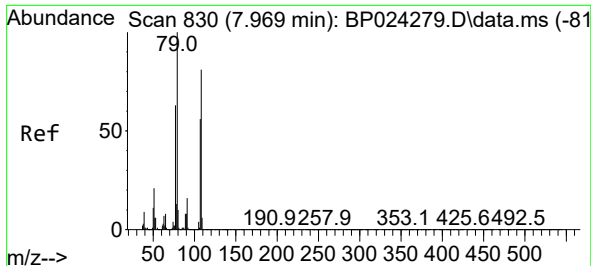
Tgt Ion:146 Resp: 1044131  
Ion Ratio Lower Upper  
146 100  
148 64.4 51.1 76.7  
111 40.6 32.6 48.8



#14  
1,2-Dichlorobenzene  
Concen: 46.721 ng  
RT: 8.075 min Scan# 848  
Delta R.T. 0.000 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

Tgt Ion:146 Resp: 1004865  
Ion Ratio Lower Upper  
146 100  
148 64.3 51.0 76.4  
111 43.7 33.8 50.8

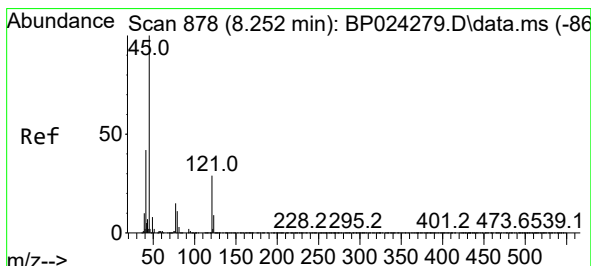
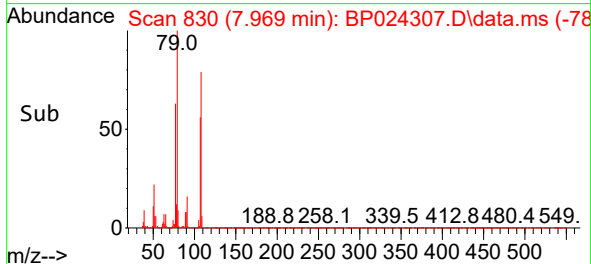
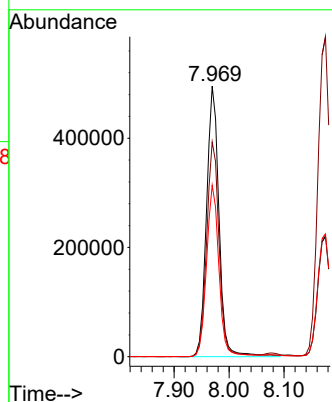
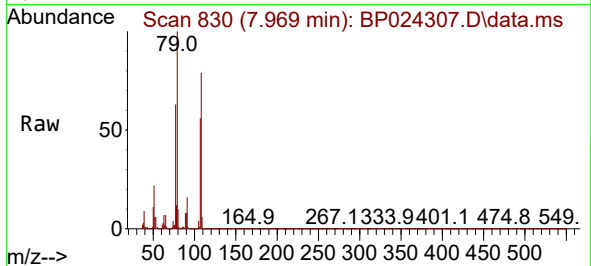




#15  
Benzyl Alcohol  
Concen: 48.210 ng  
RT: 7.969 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

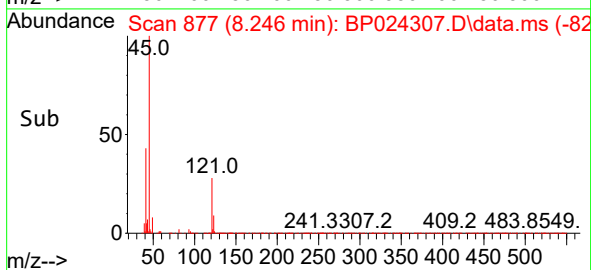
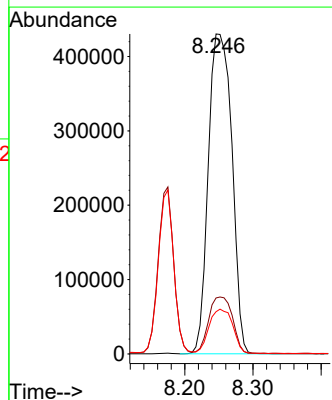
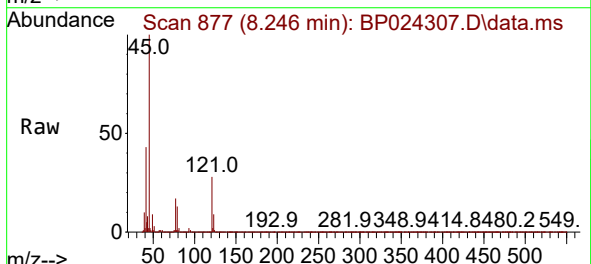
Instrument :  
BNA\_P  
ClientSampleId :  
PB167599BS

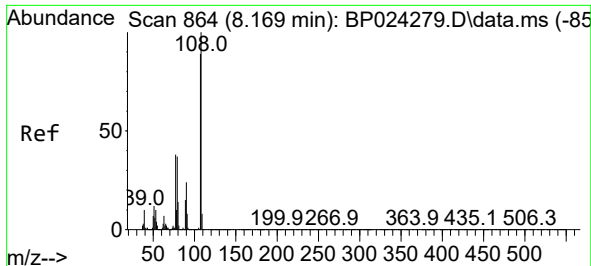
Tgt Ion: 79 Resp: 779685  
Ion Ratio Lower Upper  
79 100  
108 79.4 65.1 97.7  
77 63.3 50.7 76.1



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 47.374 ng  
RT: 8.246 min Scan# 877  
Delta R.T. -0.012 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

Tgt Ion: 45 Resp: 1035014  
Ion Ratio Lower Upper  
45 100  
77 17.5 0.0 37.7  
79 13.2 0.0 33.5

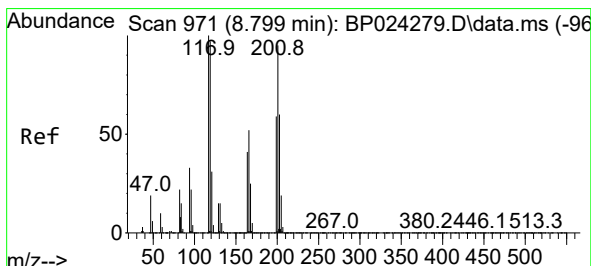
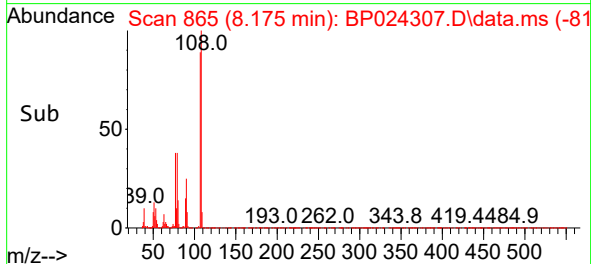
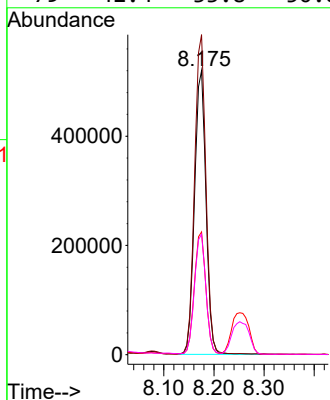
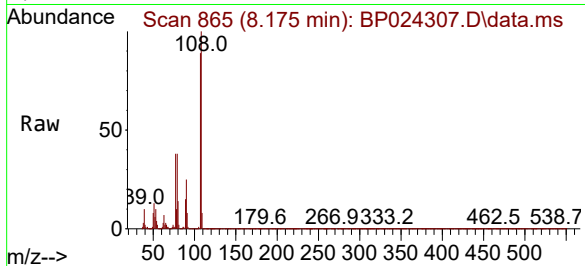




#17  
2-Methylphenol  
Concen: 50.571 ng  
RT: 8.175 min Scan# 865  
Delta R.T. 0.000 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

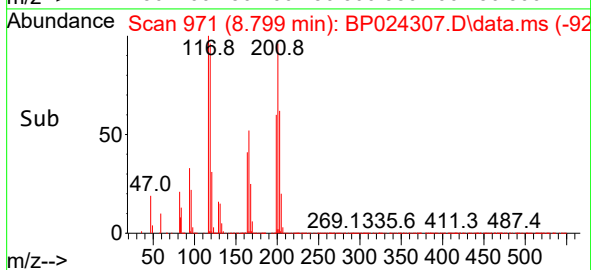
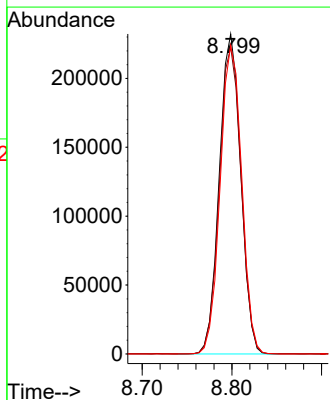
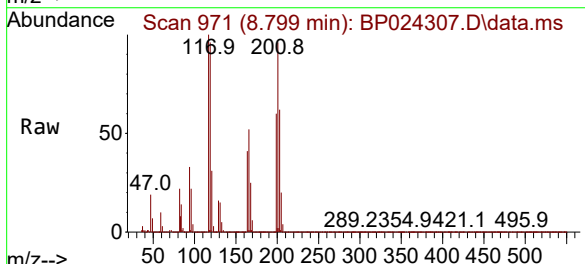
Instrument :  
BNA\_P  
ClientSampleId :  
PB167599BS

Tgt Ion:107 Resp: 820700  
Ion Ratio Lower Upper  
107 100  
108 112.7 89.8 134.6  
77 43.2 34.2 51.4  
79 42.4 33.8 50.8



#18  
Hexachloroethane  
Concen: 47.892 ng  
RT: 8.799 min Scan# 971  
Delta R.T. 0.000 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

Tgt Ion:117 Resp: 385506  
Ion Ratio Lower Upper  
117 100  
119 95.9 77.8 116.6  
201 96.5 75.9 113.9



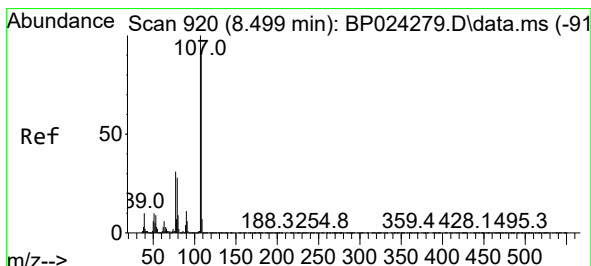
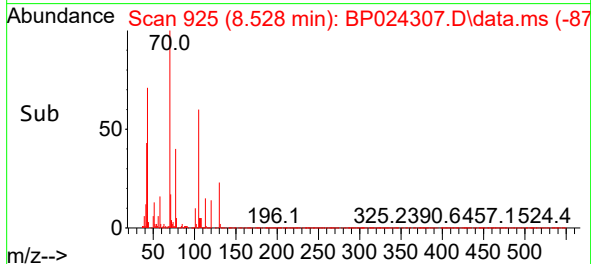
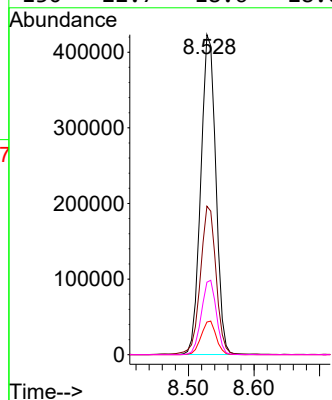
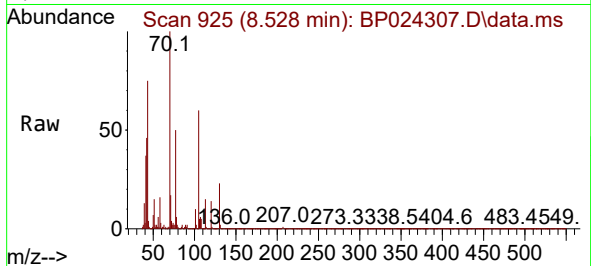


#19  
n-Nitroso-di-n-propylamine  
Concen: 43.610 ng  
RT: 8.528 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

Instrument :  
BNA\_P  
ClientSampleId :  
PB167599BS

Tgt Ion: 70 Resp: 674711

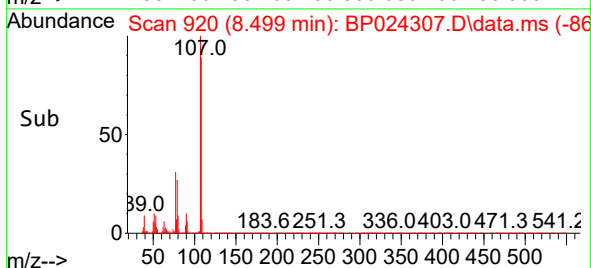
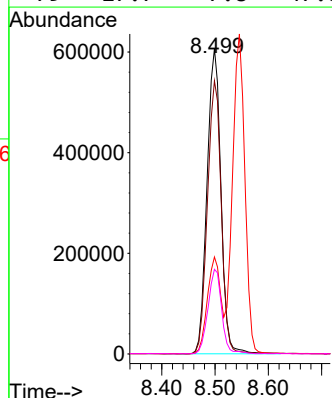
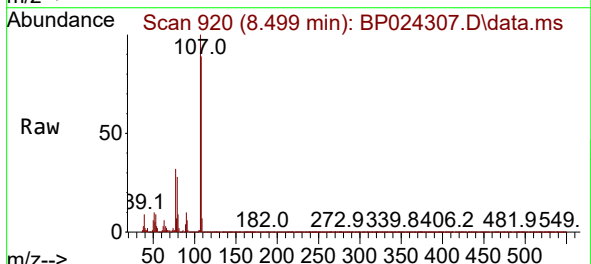
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 46.4  | 37.3  | 55.9  |
| 101 | 10.2  | 8.2   | 12.4  |
| 130 | 22.7  | 18.6  | 28.0  |

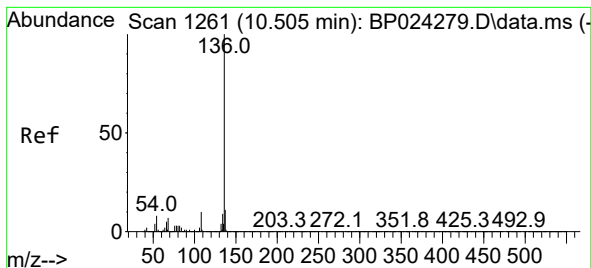


#20  
3+4-Methylphenols  
Concen: 48.783 ng  
RT: 8.499 min Scan# 920  
Delta R.T. 0.000 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

Tgt Ion: 107 Resp: 1098508

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 89.5  | 69.8  | 109.8 |
| 77  | 31.7  | 11.5  | 51.5  |
| 79  | 27.7  | 7.8   | 47.8  |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.504 min Scan# 1261

Delta R.T. 0.000 min

Lab File: BP024307.D

Acq: 16 Apr 2025 11:45

Instrument :

BNA\_P

ClientSampleId :

PB167599BS

Tgt Ion:136 Resp: 1205511

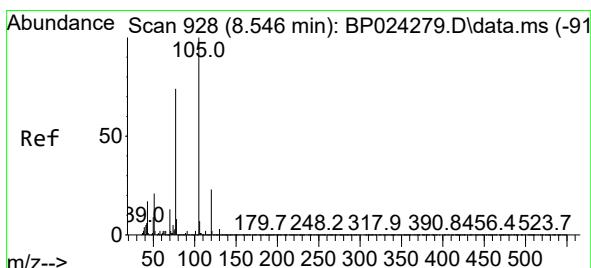
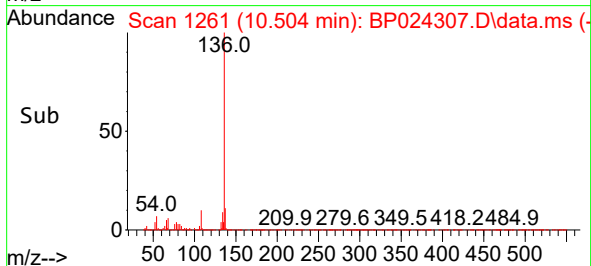
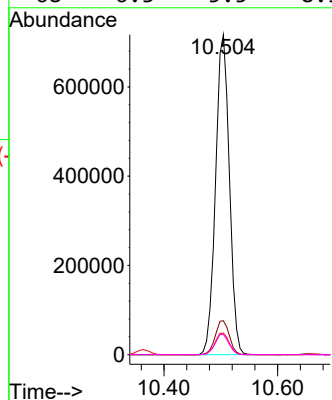
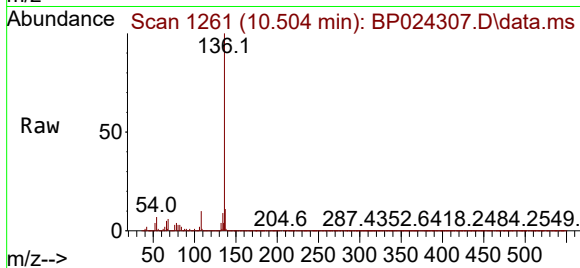
Ion Ratio Lower Upper

136 100

137 10.6 9.2 13.8

54 6.8 6.0 9.0

68 6.3 5.5 8.3



#22

Acetophenone

Concen: 46.391 ng

RT: 8.546 min Scan# 928

Delta R.T. 0.000 min

Lab File: BP024307.D

Acq: 16 Apr 2025 11:45

Tgt Ion:105 Resp: 1384168

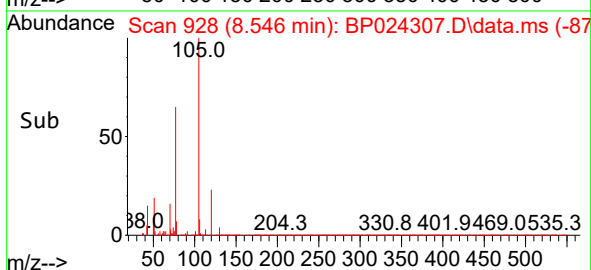
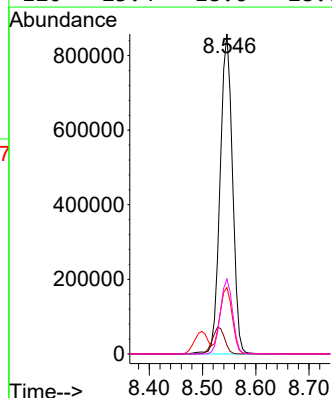
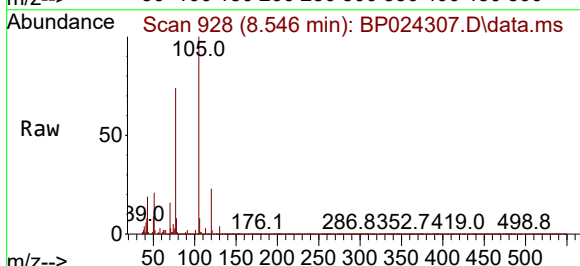
Ion Ratio Lower Upper

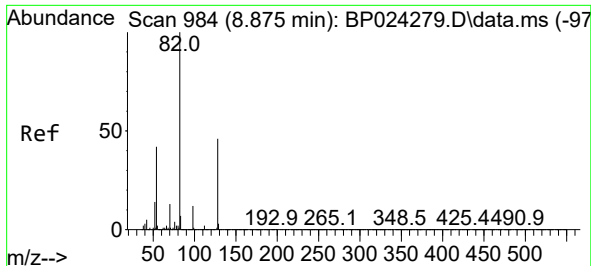
105 100

71 2.7 1.7 2.5

51 20.8 16.9 25.3

120 23.4 18.6 28.0

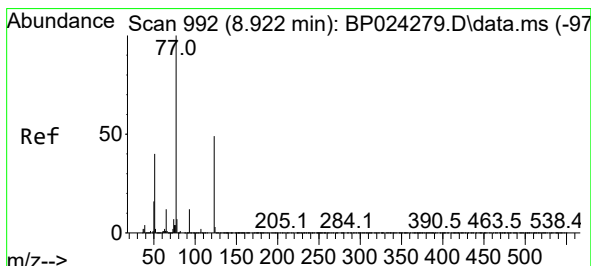
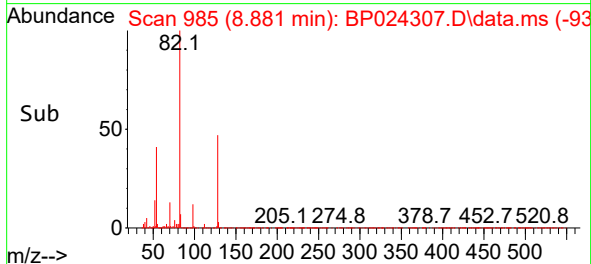
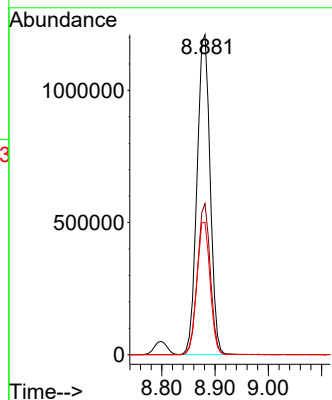
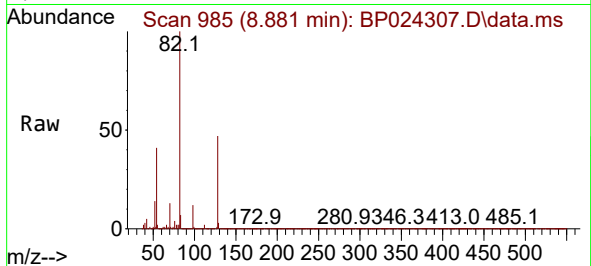




#23  
Nitrobenzene-d5  
Concen: 97.770 ng  
RT: 8.881 min Scan# 985  
Delta R.T. 0.000 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

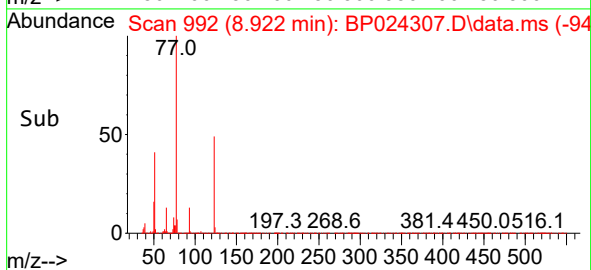
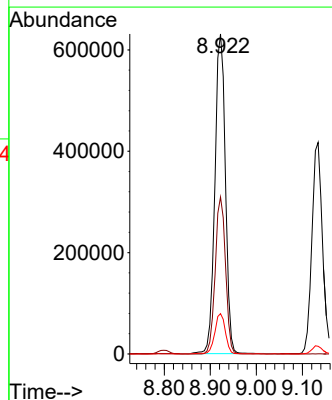
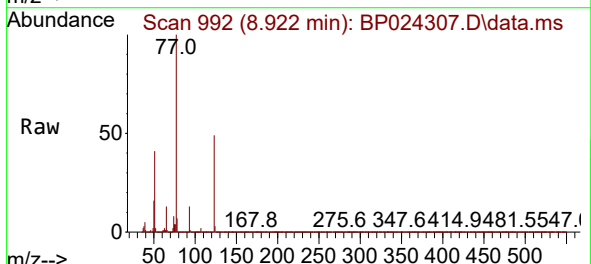
Instrument :  
BNA\_P  
ClientSampleId :  
PB167599BS

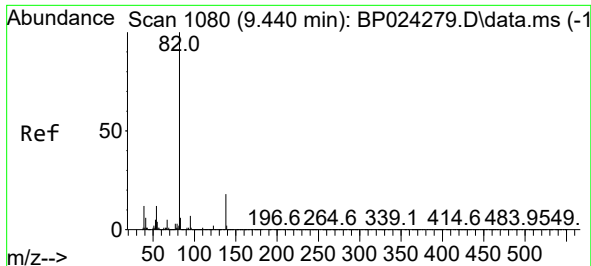
Tgt Ion: 82 Resp: 2066999  
Ion Ratio Lower Upper  
82 100  
128 47.2 36.5 54.7  
54 41.4 33.4 50.2



#24  
Nitrobenzene  
Concen: 47.684 ng  
RT: 8.922 min Scan# 992  
Delta R.T. 0.000 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

Tgt Ion: 77 Resp: 997269  
Ion Ratio Lower Upper  
77 100  
123 49.0 39.2 58.8  
65 12.6 9.8 14.6

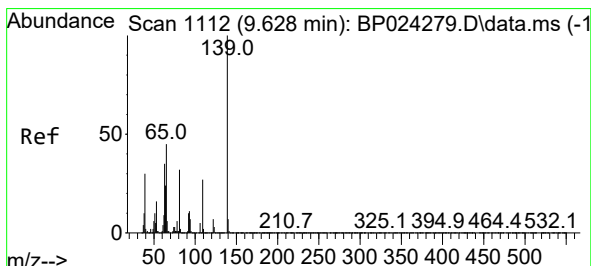
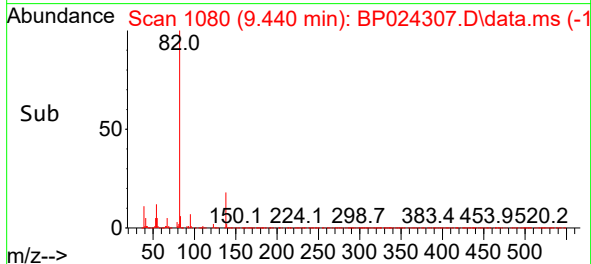
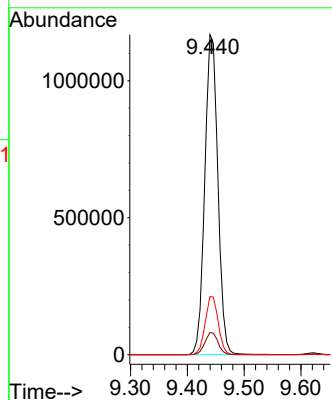
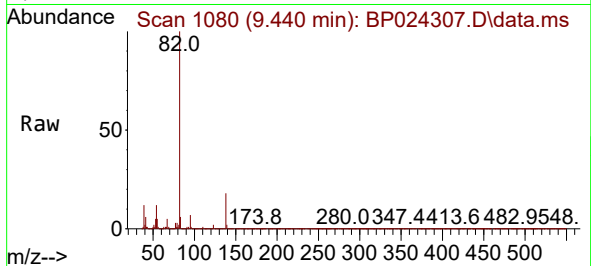




#25  
Isophorone  
Concen: 48.628 ng  
RT: 9.440 min Scan# 1080  
Delta R.T. -0.006 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

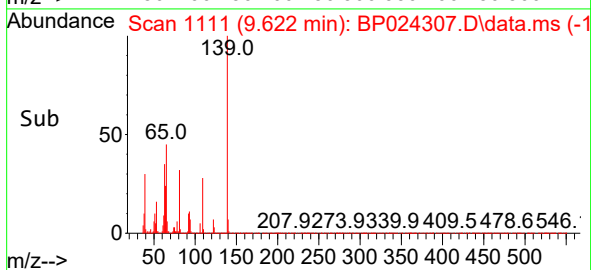
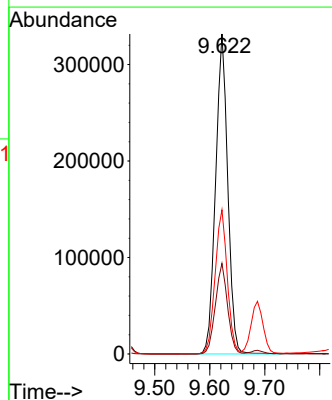
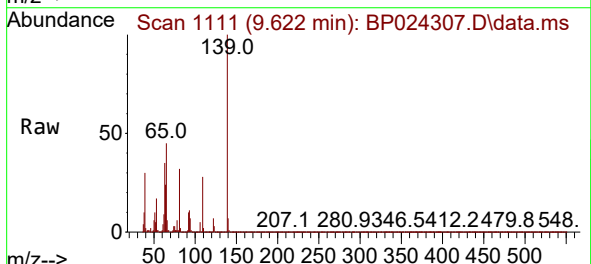
Instrument :  
BNA\_P  
ClientSampleId :  
PB167599BS

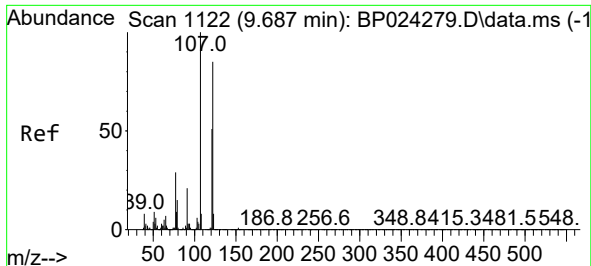
Tgt Ion: 82 Resp: 1860875  
Ion Ratio Lower Upper  
82 100  
95 6.9 5.4 8.2  
138 18.1 14.4 21.6



#26  
2-Nitrophenol  
Concen: 49.817 ng  
RT: 9.622 min Scan# 1111  
Delta R.T. -0.006 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

Tgt Ion: 139 Resp: 509876  
Ion Ratio Lower Upper  
139 100  
109 28.3 21.8 32.6  
65 45.1 36.2 54.2





#27

2,4-Dimethylphenol

Concen: 69.393 ng

RT: 9.687 min Scan# 1122

Delta R.T. -0.006 min

Lab File: BP024307.D

Acq: 16 Apr 2025 11:45

Instrument :

BNA\_P

ClientSampleId :

PB167599BS

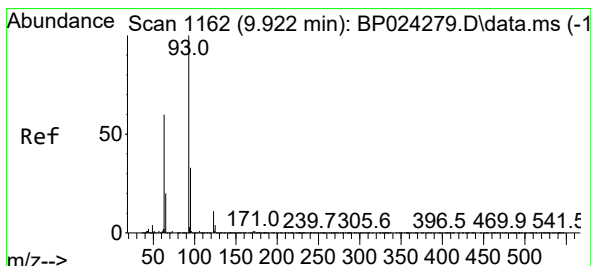
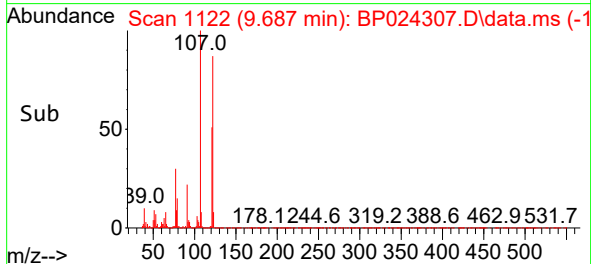
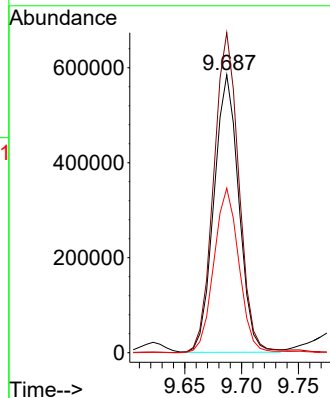
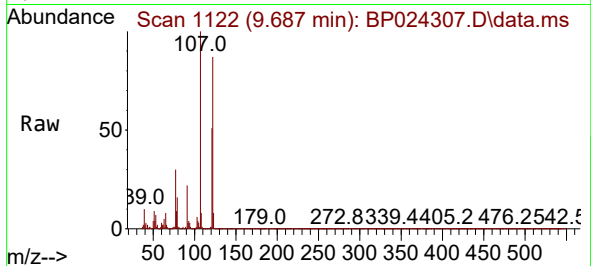
Tgt Ion:122 Resp: 891789

Ion Ratio Lower Upper

122 100

107 115.1 93.7 140.5

121 59.2 48.2 72.2



#28

bis(2-Chloroethoxy)methane

Concen: 46.891 ng

RT: 9.916 min Scan# 1161

Delta R.T. -0.006 min

Lab File: BP024307.D

Acq: 16 Apr 2025 11:45

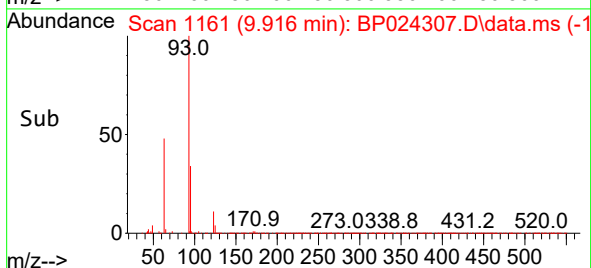
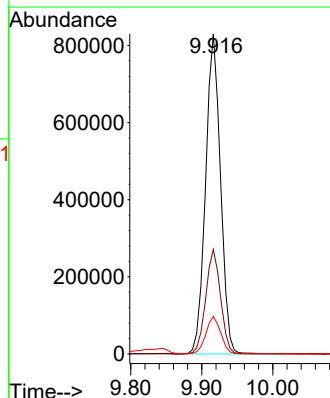
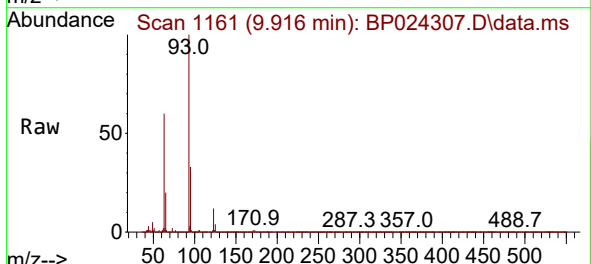
Tgt Ion: 93 Resp: 1212188

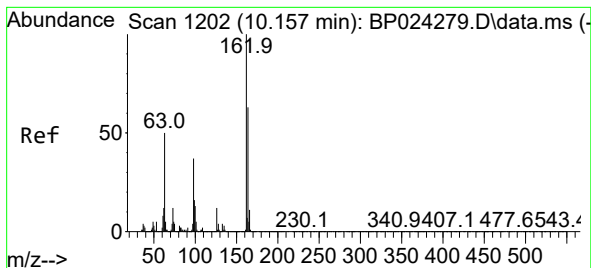
Ion Ratio Lower Upper

93 100

95 32.7 26.0 39.0

123 11.7 9.1 13.7

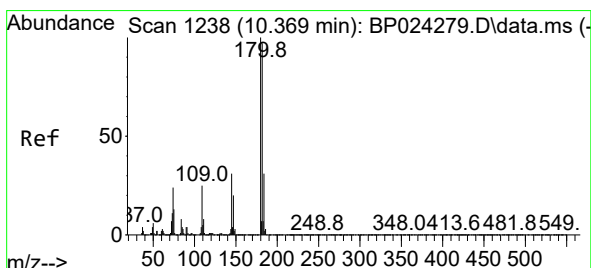
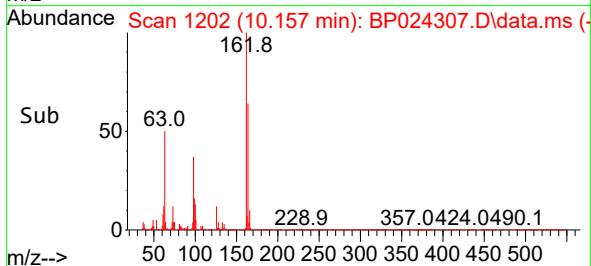
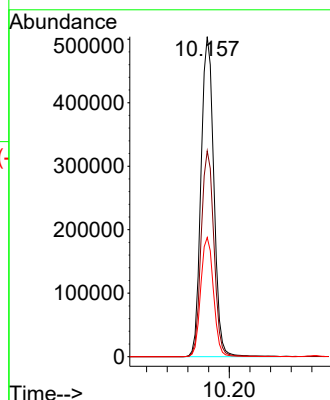
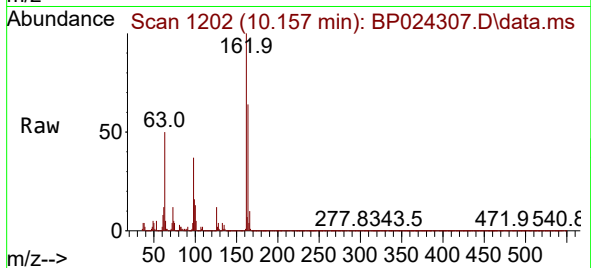




#29  
2,4-Dichlorophenol  
Concen: 49.517 ng  
RT: 10.157 min Scan# 1202  
Delta R.T. 0.000 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

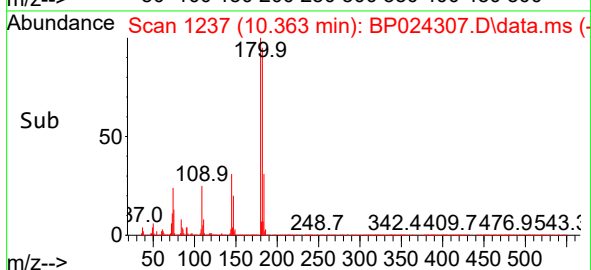
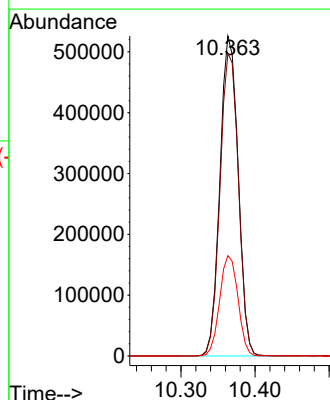
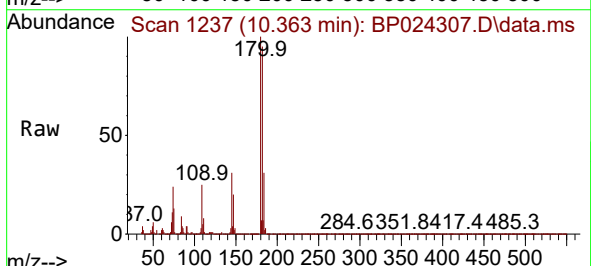
Instrument :  
BNA\_P  
ClientSampleId :  
PB167599BS

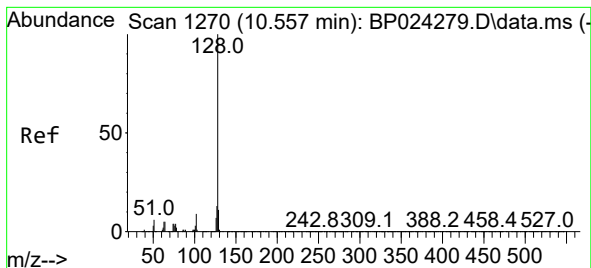
Tgt Ion:162 Resp: 867673  
Ion Ratio Lower Upper  
162 100  
164 64.3 43.3 83.3  
98 37.2 16.6 56.6



#30  
1,2,4-Trichlorobenzene  
Concen: 47.813 ng  
RT: 10.363 min Scan# 1237  
Delta R.T. -0.006 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

Tgt Ion:180 Resp: 897647  
Ion Ratio Lower Upper  
180 100  
182 94.6 77.3 115.9  
145 31.3 25.1 37.7

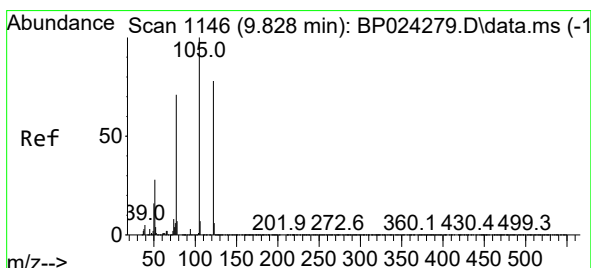
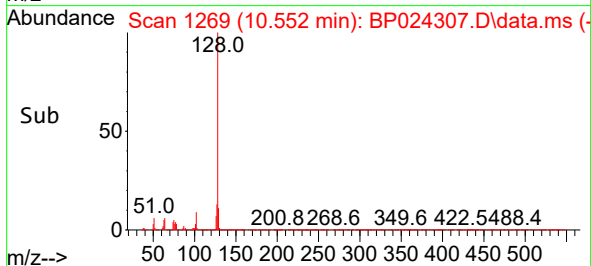
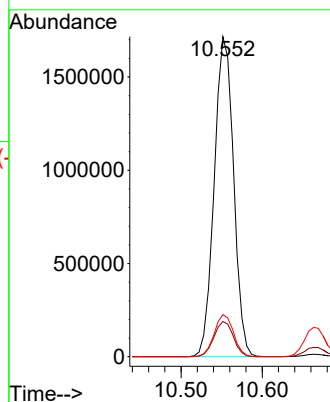
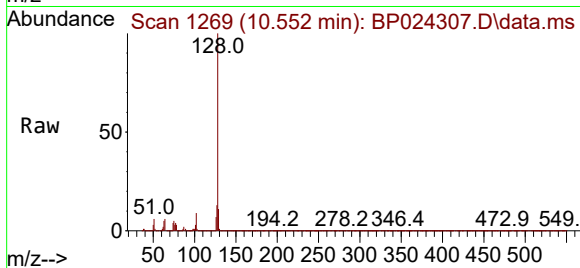




#31  
Naphthalene  
Concen: 44.816 ng  
RT: 10.552 min Scan# 1269  
Delta R.T. -0.006 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

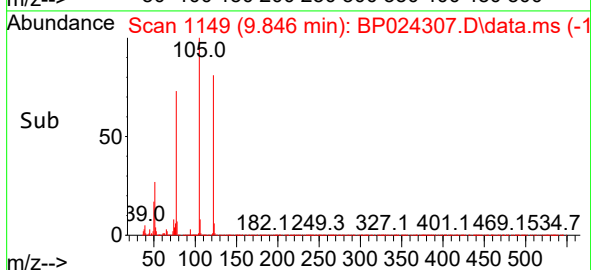
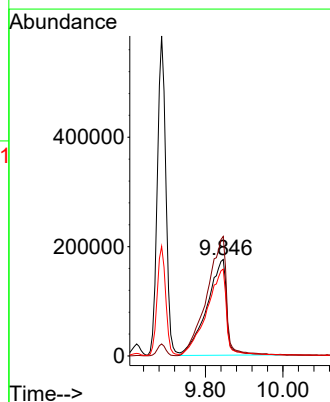
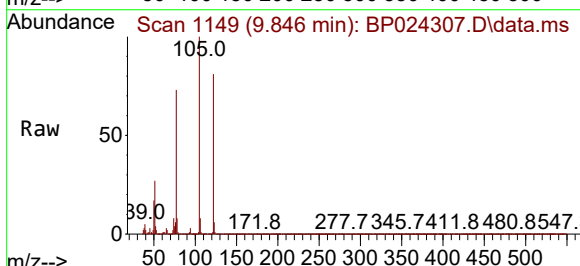
Instrument :  
BNA\_P  
ClientSampleId :  
PB167599BS

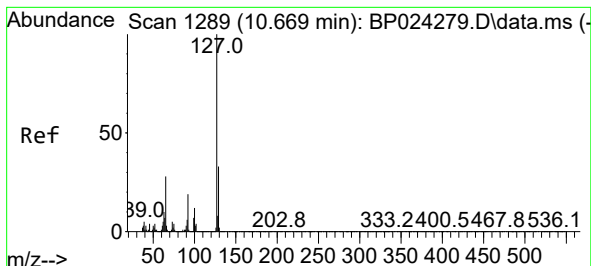
Tgt Ion:128 Resp: 2845867  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.6 13.0  
127 13.1 10.3 15.5



#32  
Benzoic acid  
Concen: 41.775 ng  
RT: 9.846 min Scan# 1149  
Delta R.T. -0.029 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

Tgt Ion:122 Resp: 625565  
Ion Ratio Lower Upper  
122 100  
105 123.8 104.8 144.8  
77 90.0 69.2 109.2





#33

4-Chloroaniline

Concen: 13.415 ng

RT: 10.663 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP024307.D

Acq: 16 Apr 2025 11:45

Instrument :

BNA\_P

ClientSampleId :

PB167599BS

Tgt Ion:127 Resp: 299999

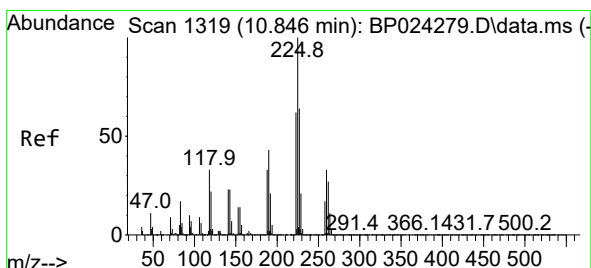
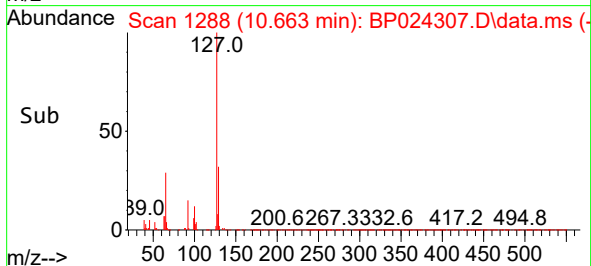
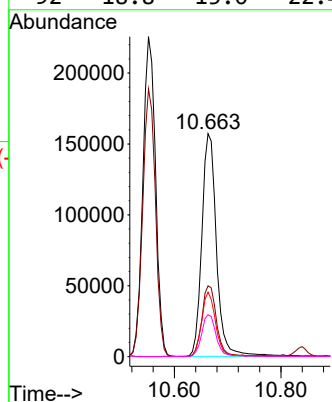
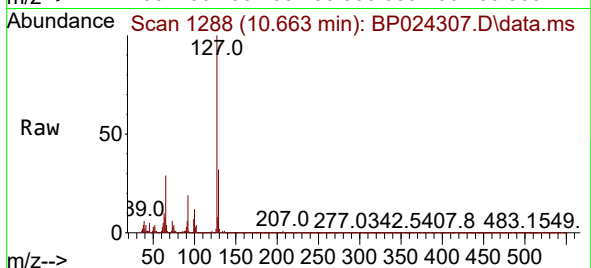
Ion Ratio Lower Upper

127 100

129 31.8 26.1 39.1

65 28.9 22.1 33.1

92 18.8 15.0 22.4



#34

Hexachlorobutadiene

Concen: 48.624 ng

RT: 10.840 min Scan# 1318

Delta R.T. 0.000 min

Lab File: BP024307.D

Acq: 16 Apr 2025 11:45

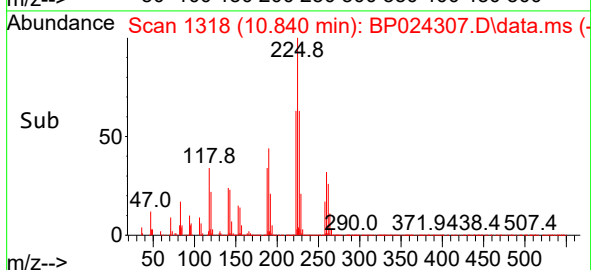
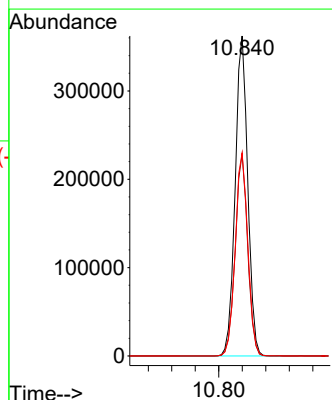
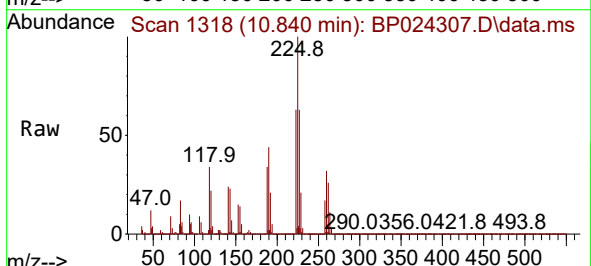
Tgt Ion:225 Resp: 536427

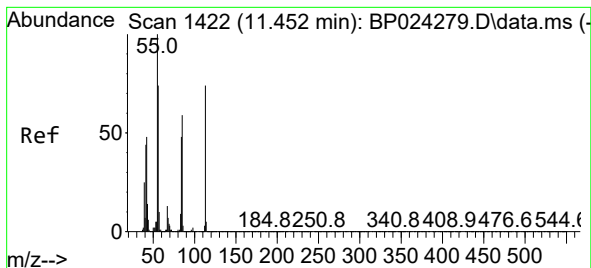
Ion Ratio Lower Upper

225 100

223 63.0 49.5 74.3

227 63.5 50.9 76.3

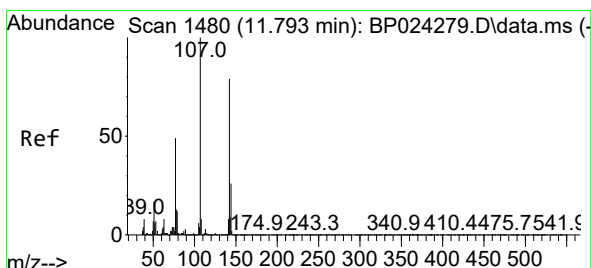
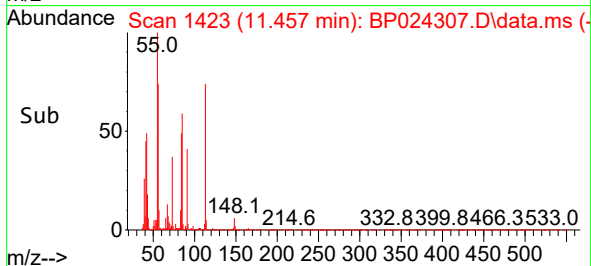
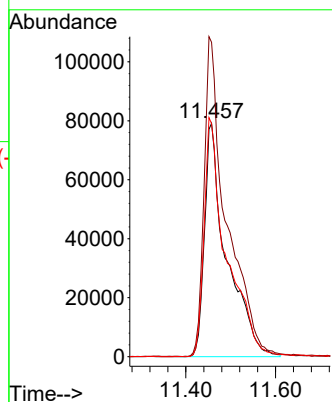
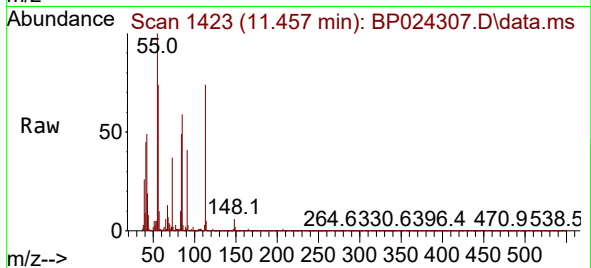




#35  
Caprolactam  
Concen: 41.761 ng  
RT: 11.457 min Scan# 1422  
Delta R.T. -0.023 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

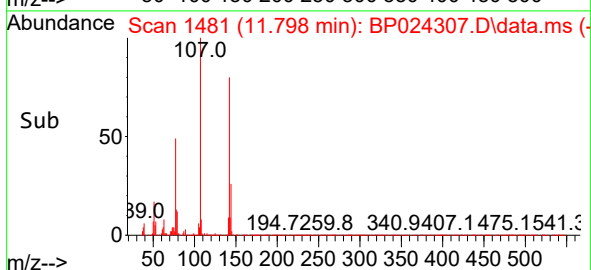
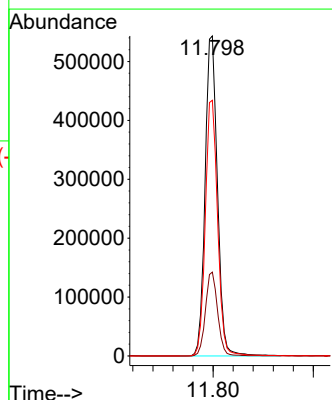
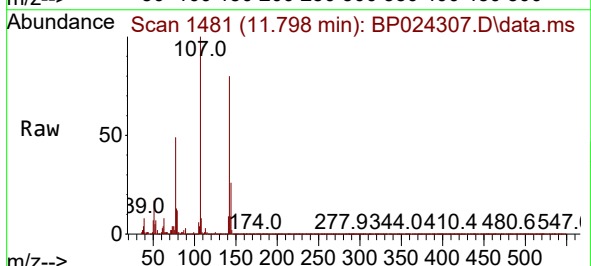
Instrument :  
BNA\_P  
ClientSampleId :  
PB167599BS

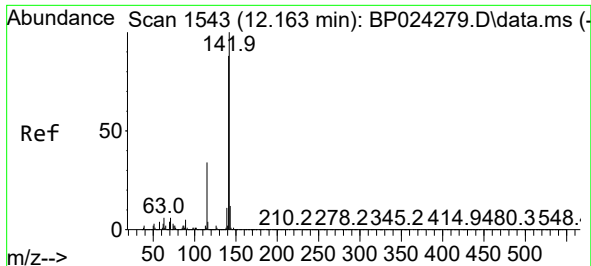
Tgt Ion:113 Resp: 270008  
Ion Ratio Lower Upper  
113 100  
55 134.7 115.9 155.9  
56 99.8 81.1 121.1



#36  
4-Chloro-3-methylphenol  
Concen: 45.507 ng  
RT: 11.798 min Scan# 1481  
Delta R.T. -0.006 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

Tgt Ion:107 Resp: 928778  
Ion Ratio Lower Upper  
107 100  
144 26.2 20.5 30.7  
142 79.9 63.4 95.2

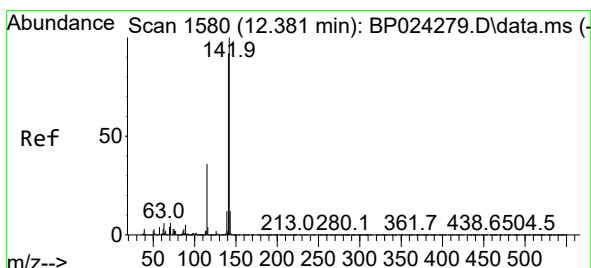
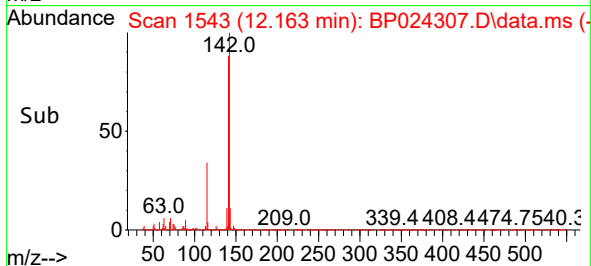
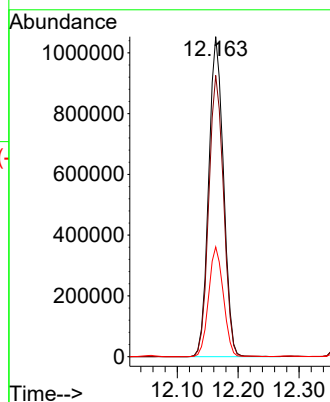
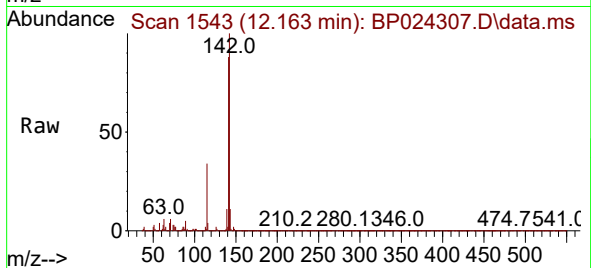




#37  
2-Methylnaphthalene  
Concen: 40.368 ng  
RT: 12.163 min Scan# 1543  
Delta R.T. -0.006 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

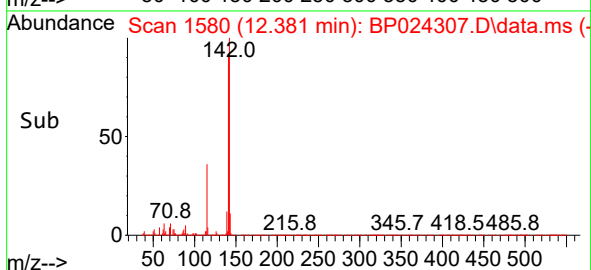
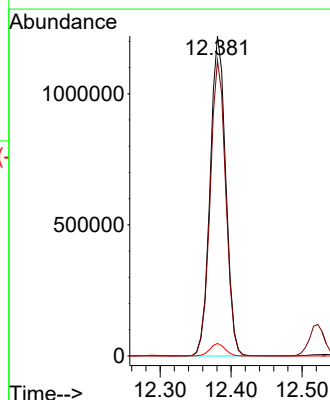
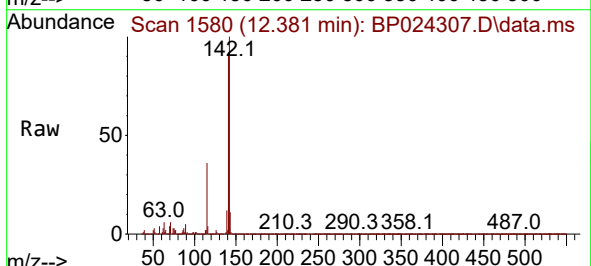
Instrument :  
BNA\_P  
ClientSampleId :  
PB167599BS

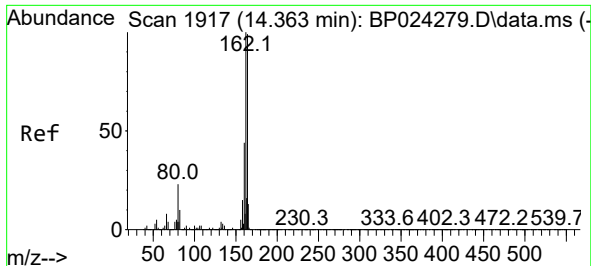
Tgt Ion:142 Resp: 1777803  
Ion Ratio Lower Upper  
142 100  
141 87.9 70.3 105.5  
115 34.3 26.9 40.3



#38  
1-Methylnaphthalene  
Concen: 43.309 ng  
RT: 12.381 min Scan# 1580  
Delta R.T. -0.012 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

Tgt Ion:142 Resp: 1865879  
Ion Ratio Lower Upper  
142 100  
141 92.4 73.6 110.4  
116 3.9 3.0 4.6

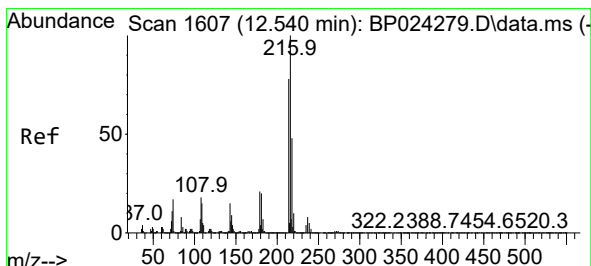
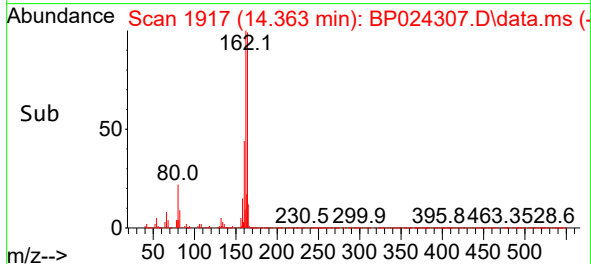
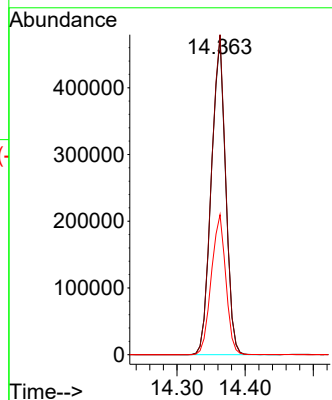
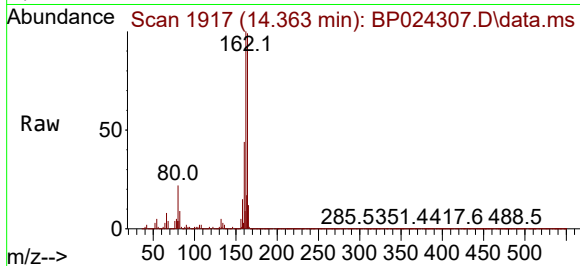




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.363 min Scan# 1917  
Delta R.T. -0.006 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

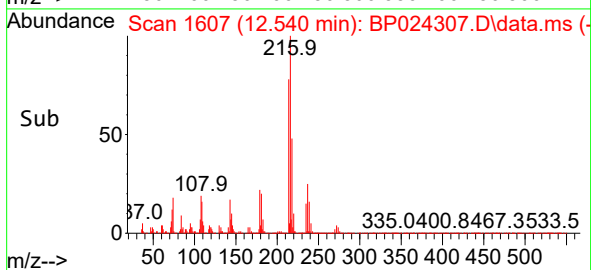
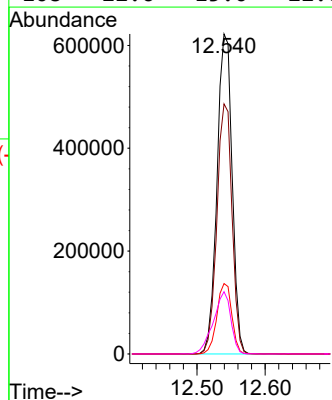
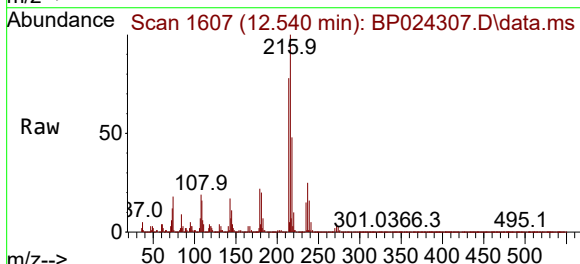
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ClientSampleId :  
PB167599BS

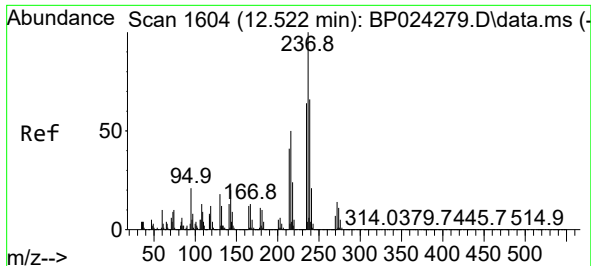
Tgt Ion:164 Resp: 692603  
Ion Ratio Lower Upper  
164 100  
162 101.0 80.6 120.8  
160 44.2 35.3 52.9



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 50.323 ng  
RT: 12.540 min Scan# 1607  
Delta R.T. -0.006 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

Tgt Ion:216 Resp: 958484  
Ion Ratio Lower Upper  
216 100  
214 78.4 62.6 93.8  
179 21.8 17.2 25.8  
108 22.6 15.0 22.6#

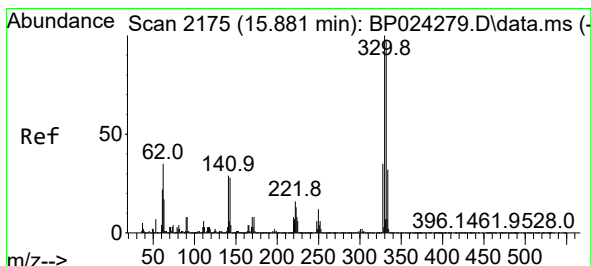
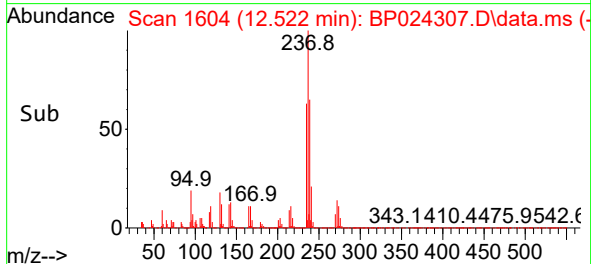
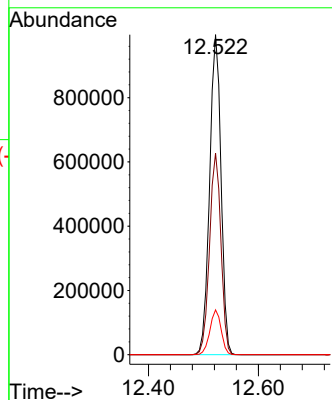
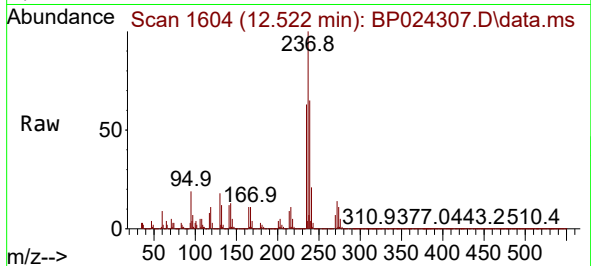




#41  
Hexachlorocyclopentadiene  
Concen: 212.151 ng  
RT: 12.522 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

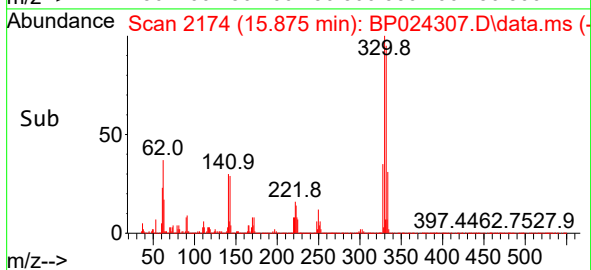
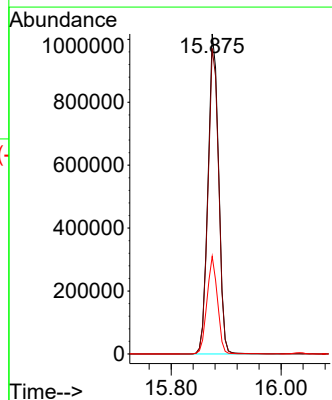
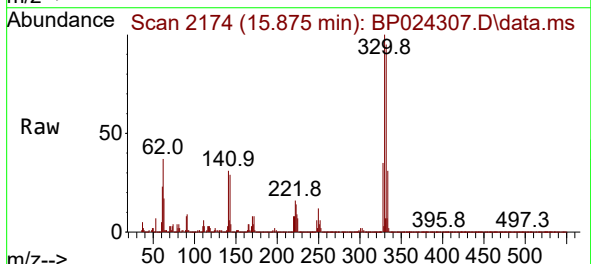
Instrument :  
BNA\_P  
ClientSampleId :  
PB167599BS

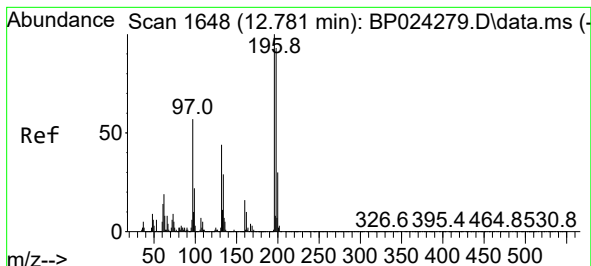
Tgt Ion:237 Resp: 1429111  
Ion Ratio Lower Upper  
237 100  
235 63.0 43.9 83.9  
272 14.0 0.0 33.6



#42  
2,4,6-Tribromophenol  
Concen: 142.246 ng  
RT: 15.875 min Scan# 2174  
Delta R.T. -0.018 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

Tgt Ion:330 Resp: 1363074  
Ion Ratio Lower Upper  
330 100  
332 96.3 77.1 115.7  
141 30.0 24.7 37.1





#43

2,4,6-Trichlorophenol

Concen: 52.046 ng

RT: 12.781 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP024307.D

Acq: 16 Apr 2025 11:45

Instrument :

BNA\_P

ClientSampleId :

PB167599BS

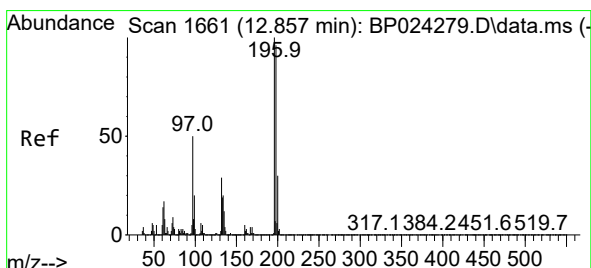
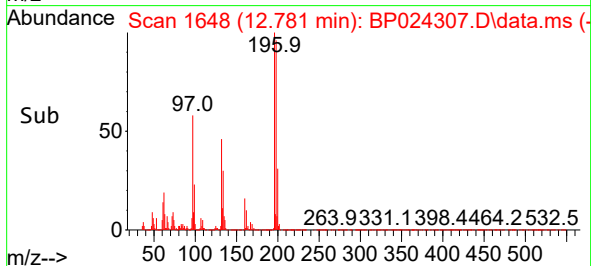
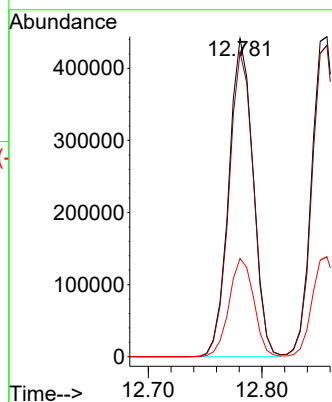
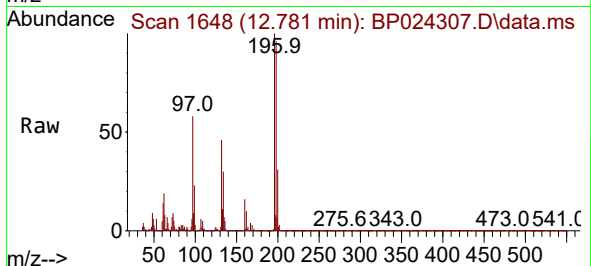
Tgt Ion:196 Resp: 659069

Ion Ratio Lower Upper

196 100

198 95.7 74.3 111.5

200 30.9 24.0 36.0



#44

2,4,5-Trichlorophenol

Concen: 51.248 ng

RT: 12.857 min Scan# 1661

Delta R.T. -0.012 min

Lab File: BP024307.D

Acq: 16 Apr 2025 11:45

Tgt Ion:196 Resp: 718643

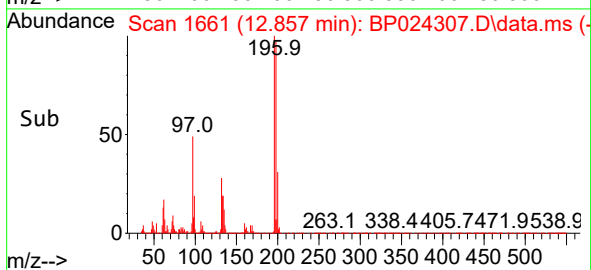
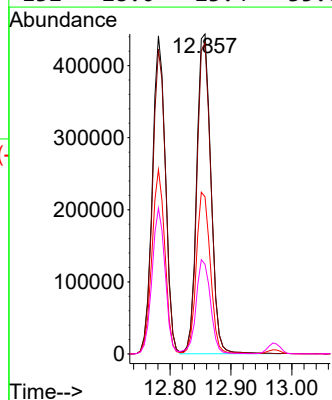
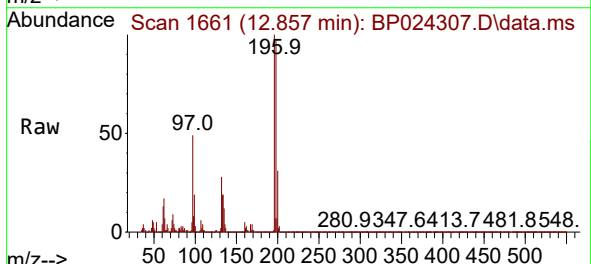
Ion Ratio Lower Upper

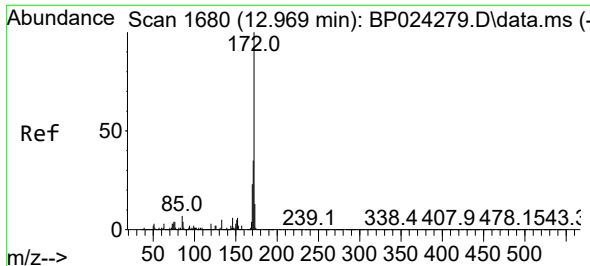
196 100

198 97.3 77.3 115.9

97 49.1 40.4 60.6

132 28.0 23.4 35.0

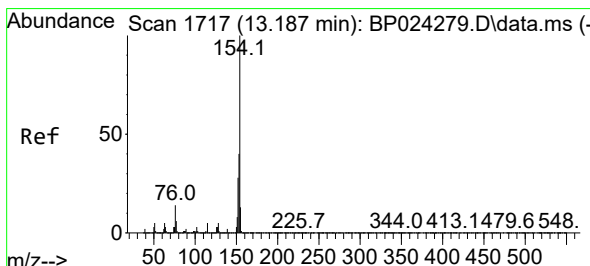
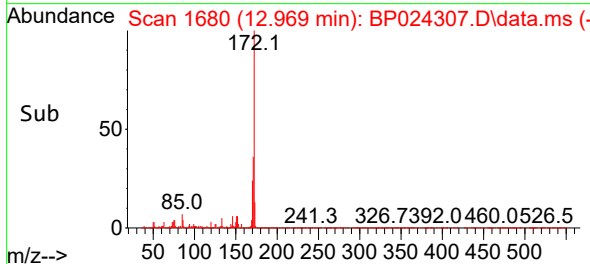
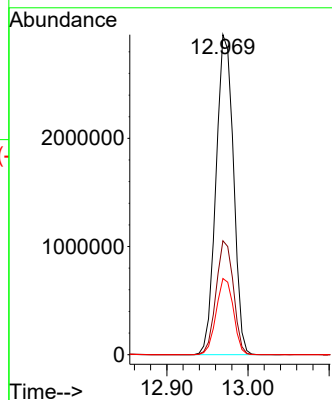
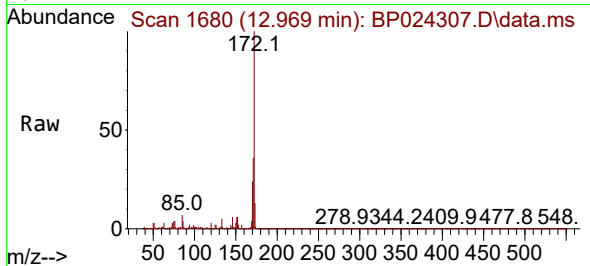




#45  
2-Fluorobiphenyl  
Concen: 97.778 ng  
RT: 12.969 min Scan# 1680  
Delta R.T. -0.012 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

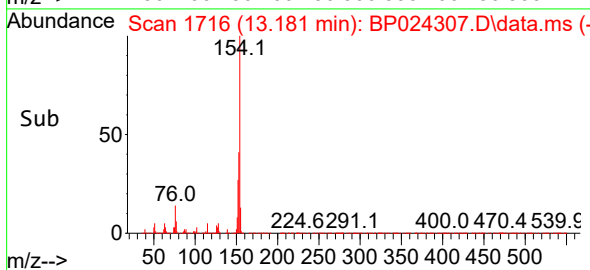
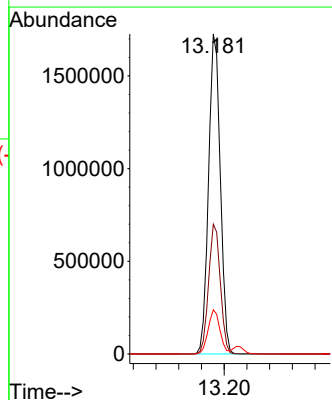
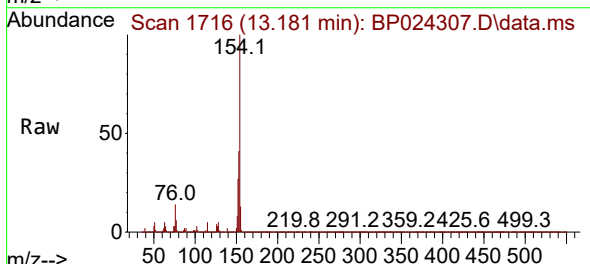
Instrument :  
BNA\_P  
ClientSampleId :  
PB167599BS

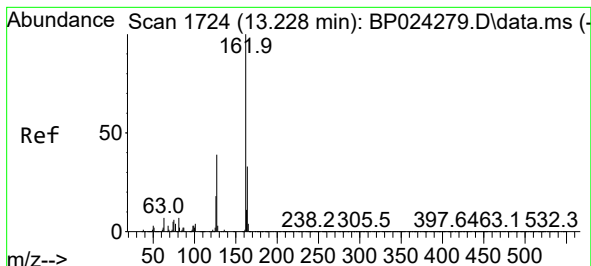
Tgt Ion:172 Resp: 4423000  
Ion Ratio Lower Upper  
172 100  
171 35.6 28.2 42.2  
170 23.8 18.6 27.8



#46  
1,1'-Biphenyl  
Concen: 48.351 ng  
RT: 13.181 min Scan# 1716  
Delta R.T. -0.018 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

Tgt Ion:154 Resp: 2461557  
Ion Ratio Lower Upper  
154 100  
153 40.5 20.3 60.3  
76 13.8 0.0 33.5





#47

2-Chloronaphthalene

Concen: 48.733 ng

RT: 13.222 min Scan# 1724

Delta R.T. -0.012 min

Lab File: BP024307.D

Acq: 16 Apr 2025 11:45

Instrument :

BNA\_P

ClientSampleId :

PB167599BS

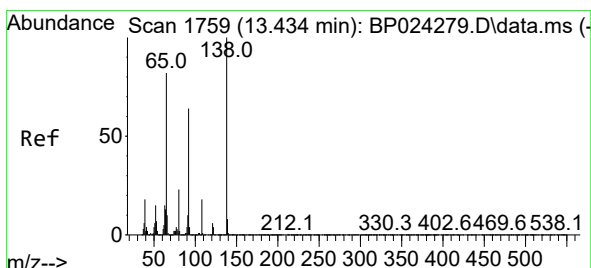
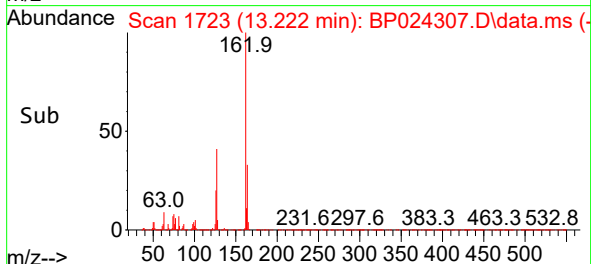
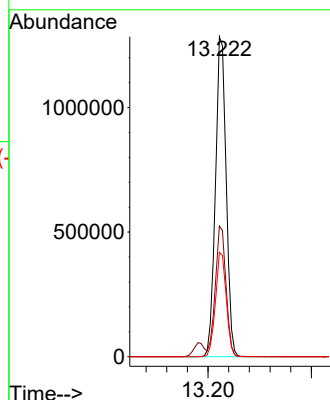
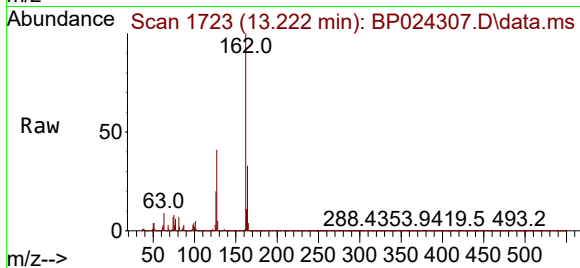
Tgt Ion:162 Resp: 1854265

Ion Ratio Lower Upper

162 100

127 40.8 31.9 47.9

164 32.6 26.2 39.4



#48

2-Nitroaniline

Concen: 49.658 ng

RT: 13.434 min Scan# 1759

Delta R.T. -0.012 min

Lab File: BP024307.D

Acq: 16 Apr 2025 11:45

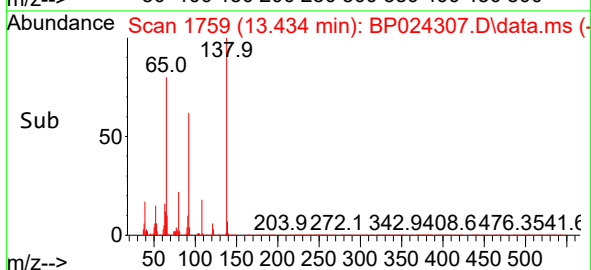
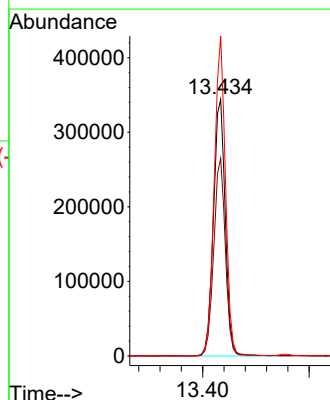
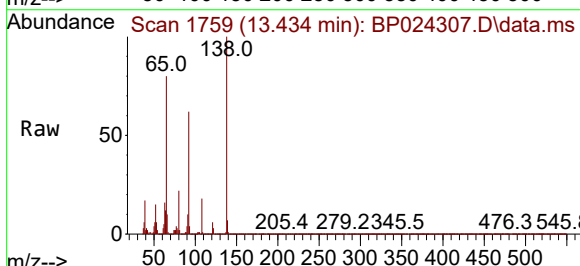
Tgt Ion: 65 Resp: 529997

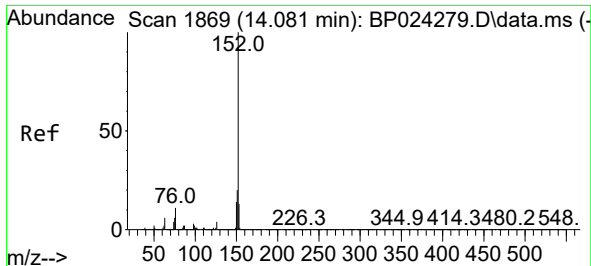
Ion Ratio Lower Upper

65 100

92 76.9 62.3 93.5

138 124.7 97.2 145.8

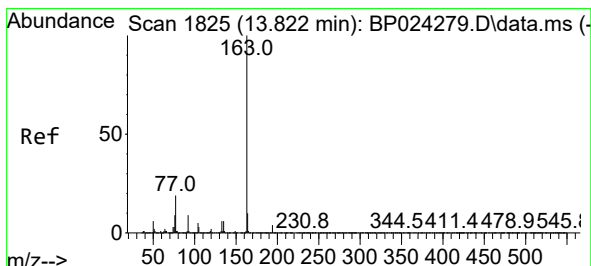
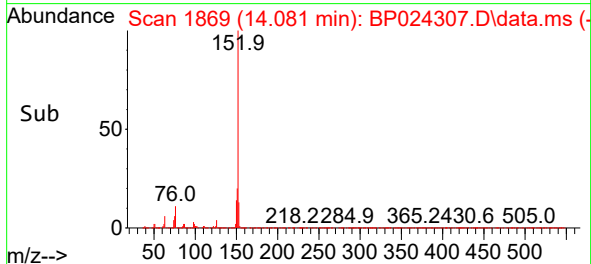
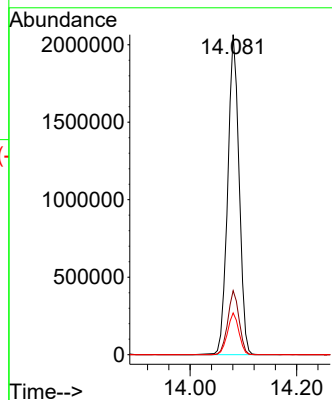
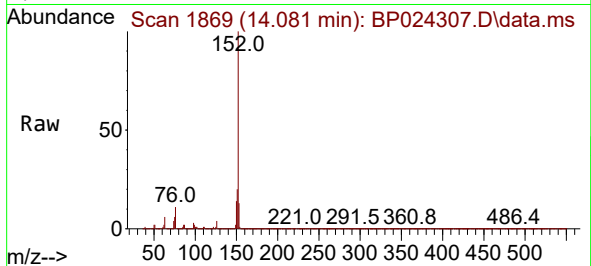




#49  
Acenaphthylene  
Concen: 51.065 ng  
RT: 14.081 min Scan# 1869  
Delta R.T. -0.006 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

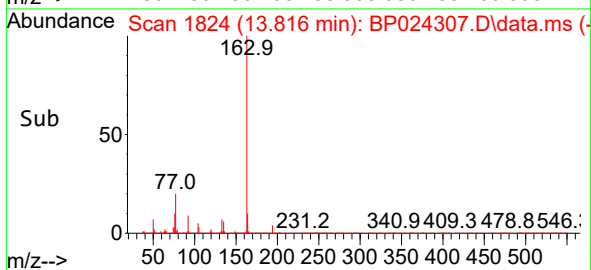
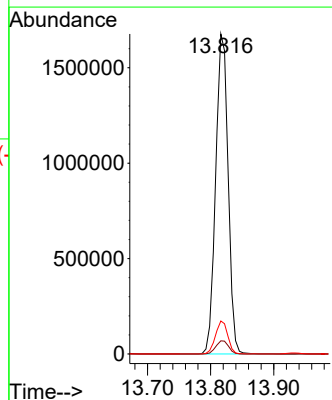
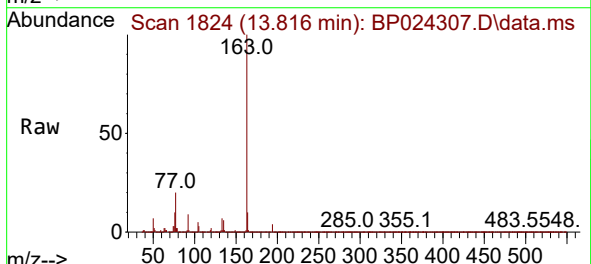
Instrument :  
BNA\_P  
ClientSampleId :  
PB167599BS

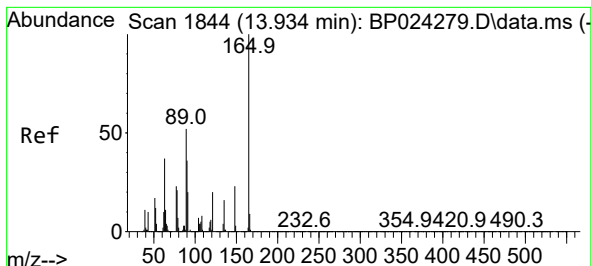
Tgt Ion:152 Resp: 3059129  
Ion Ratio Lower Upper  
152 100  
151 20.0 15.9 23.9  
153 13.0 10.6 15.8



#50  
Dimethylphthalate  
Concen: 45.545 ng  
RT: 13.816 min Scan# 1824  
Delta R.T. -0.018 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

Tgt Ion:163 Resp: 2293991  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.5 5.3  
164 10.3 8.0 12.0

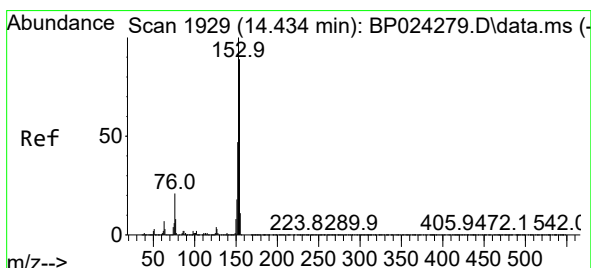
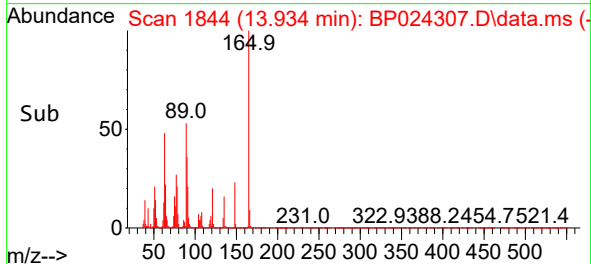
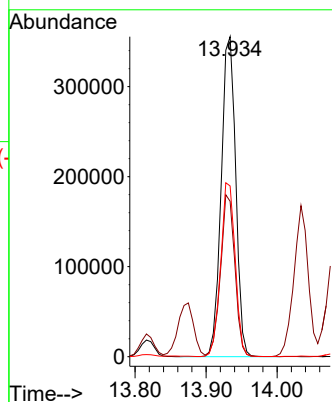
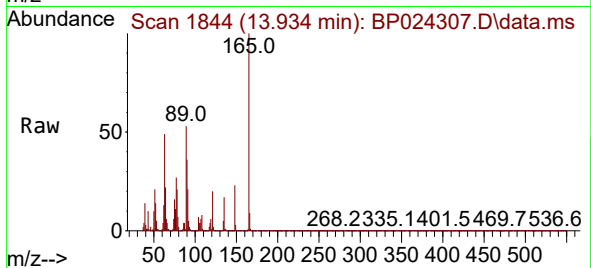




#51  
2,6-Dinitrotoluene  
Concen: 46.843 ng  
RT: 13.934 min Scan# 1844  
Delta R.T. -0.012 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

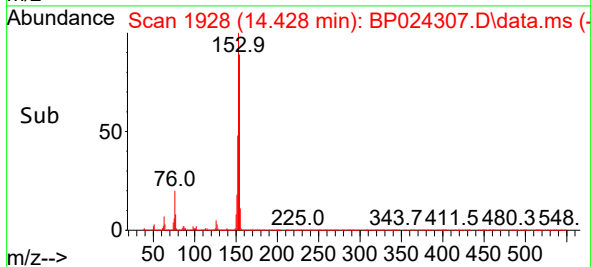
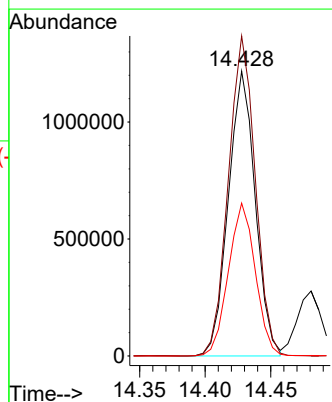
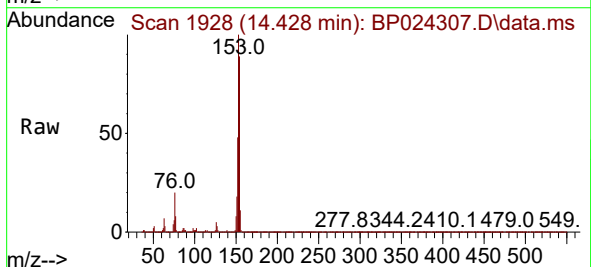
Instrument :  
BNA\_P  
ClientSampleId :  
PB167599BS

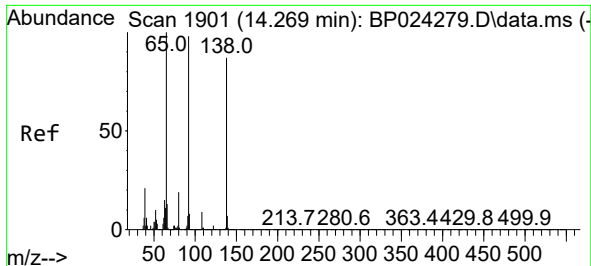
Tgt Ion:165 Resp: 501003  
Ion Ratio Lower Upper  
165 100  
63 48.6 38.0 57.0  
89 53.4 41.7 62.5



#52  
Acenaphthene  
Concen: 45.749 ng  
RT: 14.428 min Scan# 1928  
Delta R.T. -0.012 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

Tgt Ion:154 Resp: 1737493  
Ion Ratio Lower Upper  
154 100  
153 112.4 89.8 134.6  
152 53.6 42.6 63.8

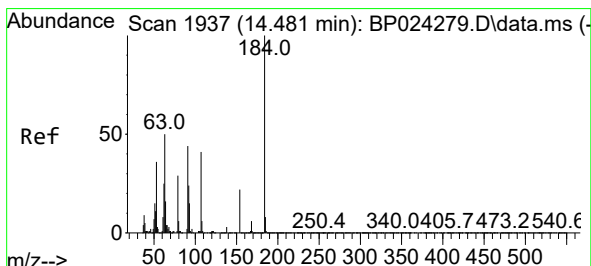
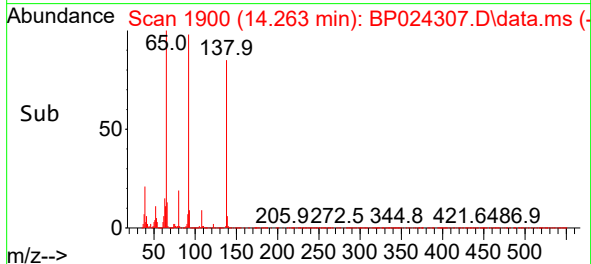
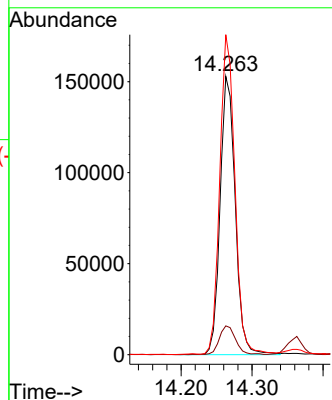
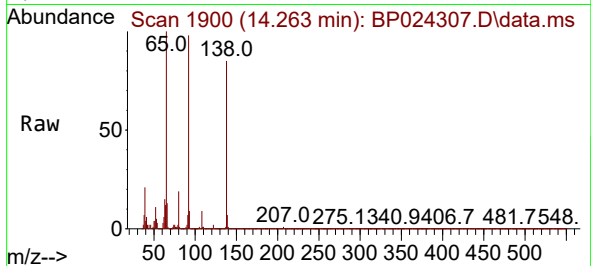




#53  
3-Nitroaniline  
Concen: 20.035 ng  
RT: 14.263 min Scan# 1901  
Delta R.T. -0.018 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

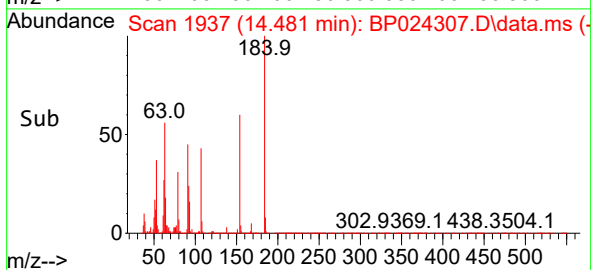
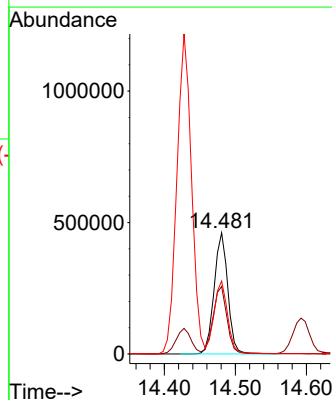
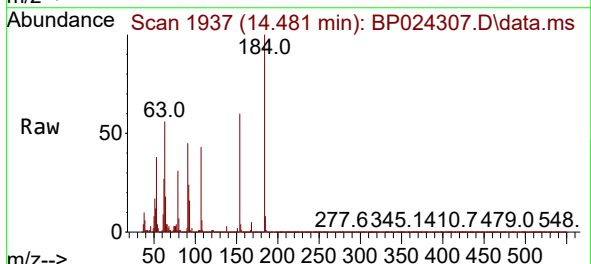
Instrument :  
BNA\_P  
ClientSampleId :  
PB167599BS

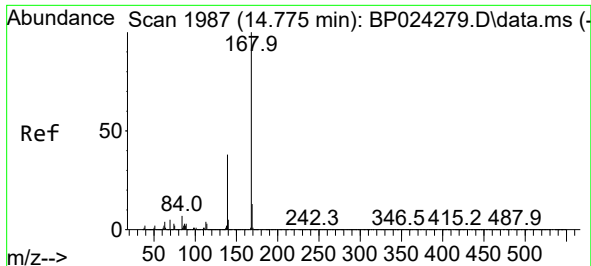
Tgt Ion:138 Resp: 225208  
Ion Ratio Lower Upper  
138 100  
108 10.3 8.3 12.5  
92 115.0 89.8 134.8



#54  
2,4-Dinitrophenol  
Concen: 97.875 ng  
RT: 14.481 min Scan# 1937  
Delta R.T. -0.011 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

Tgt Ion:184 Resp: 616619  
Ion Ratio Lower Upper  
184 100  
63 55.8 42.6 64.0  
154 60.2 47.2 70.8

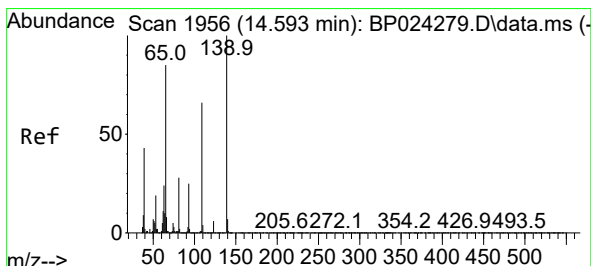
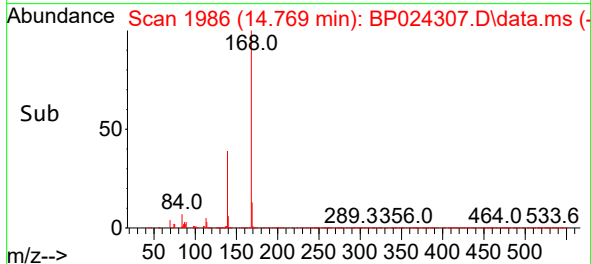
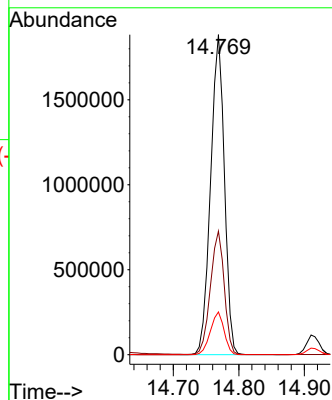
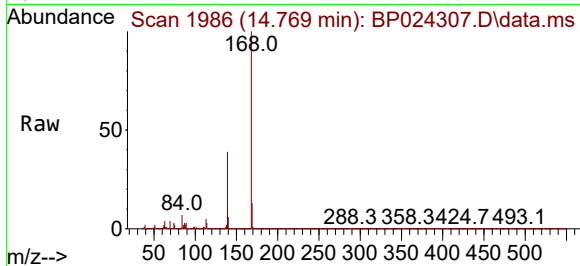




#55  
Dibenzenofuran  
Concen: 44.352 ng  
RT: 14.769 min Scan# 1986  
Delta R.T. -0.012 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

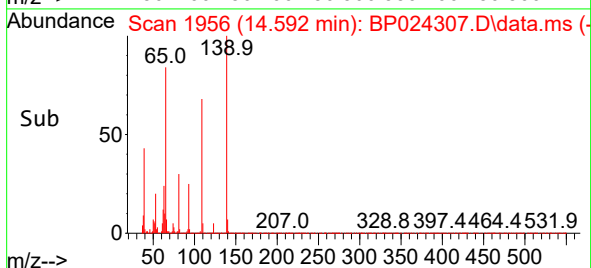
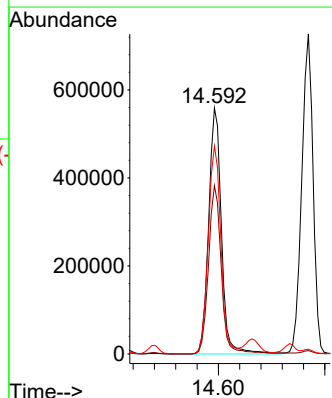
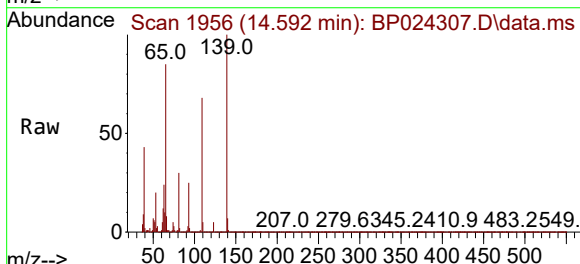
Instrument :  
BNA\_P  
ClientSampleId :  
PB167599BS

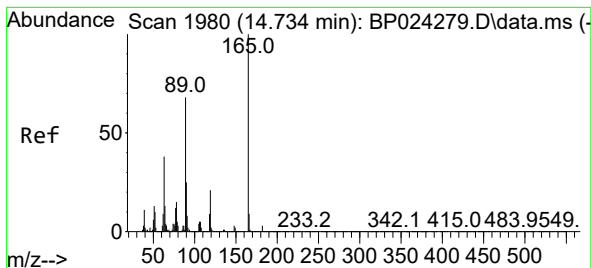
Tgt Ion:168 Resp: 2753340  
Ion Ratio Lower Upper  
168 100  
139 38.6 30.3 45.5  
169 13.4 10.6 16.0



#56  
4-Nitrophenol  
Concen: 96.107 ng  
RT: 14.592 min Scan# 1956  
Delta R.T. -0.012 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

Tgt Ion:139 Resp: 933046  
Ion Ratio Lower Upper  
139 100  
109 68.4 46.1 86.1  
65 84.6 65.0 105.0

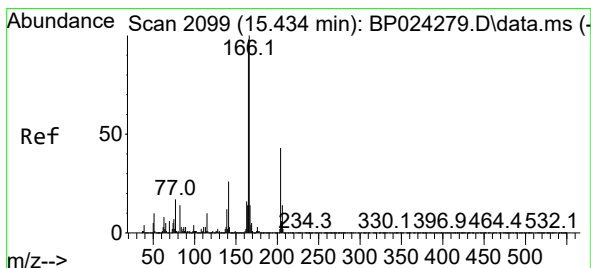
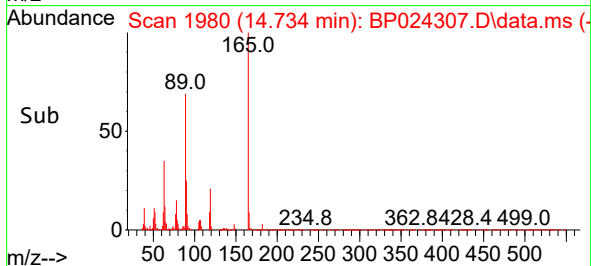
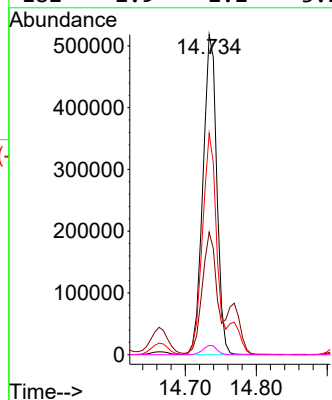
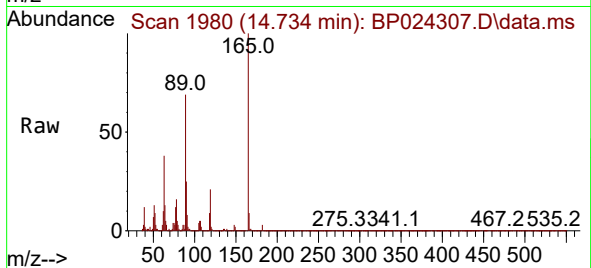




#57  
2,4-Dinitrotoluene  
Concen: 48.195 ng  
RT: 14.734 min Scan# 1980  
Delta R.T. -0.012 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

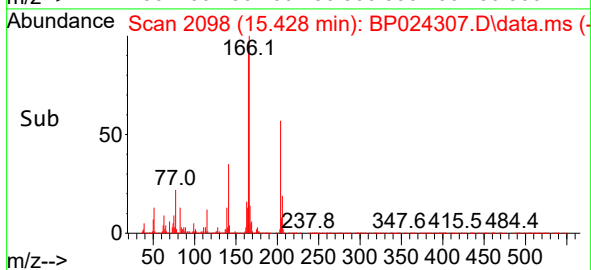
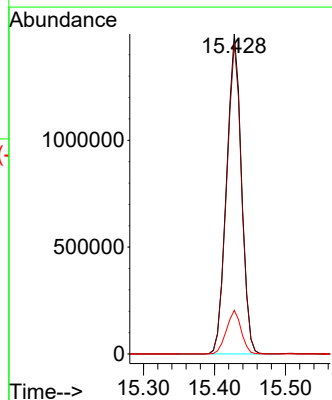
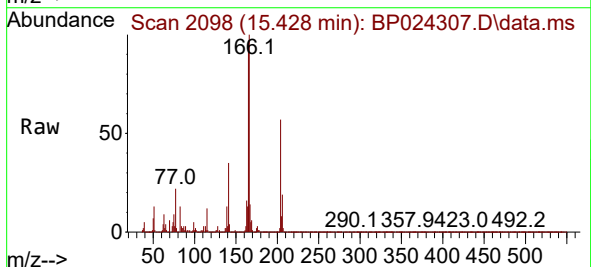
Instrument :  
BNA\_P  
ClientSampleId :  
PB167599BS

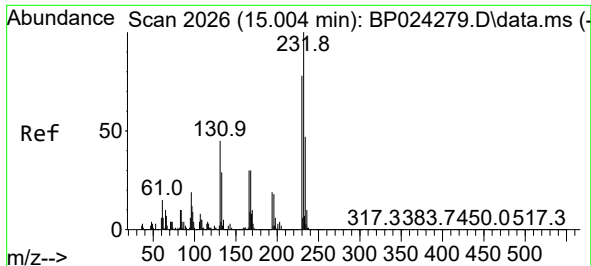
Tgt Ion:165 Resp: 703152  
Ion Ratio Lower Upper  
165 100  
63 38.3 30.4 45.6  
89 69.1 54.6 82.0  
182 2.9 2.2 3.2



#58  
Fluorene  
Concen: 45.130 ng  
RT: 15.428 min Scan# 2098  
Delta R.T. -0.012 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

Tgt Ion:166 Resp: 2168790  
Ion Ratio Lower Upper  
166 100  
165 97.2 78.1 117.1  
167 13.6 10.9 16.3

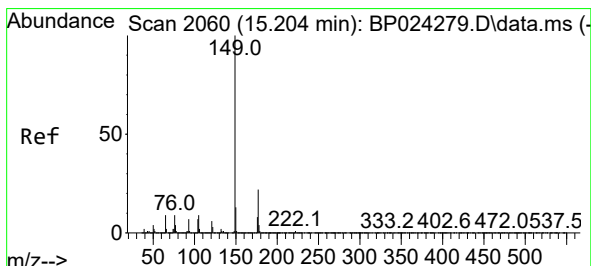
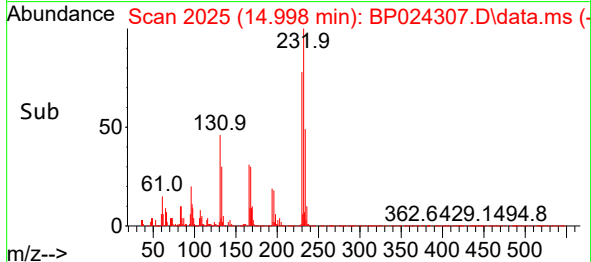
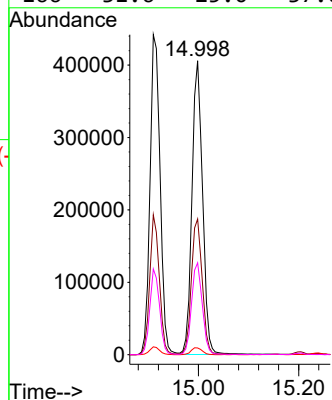
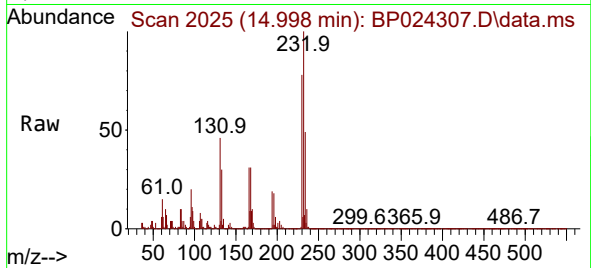




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 46.103 ng  
RT: 14.998 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

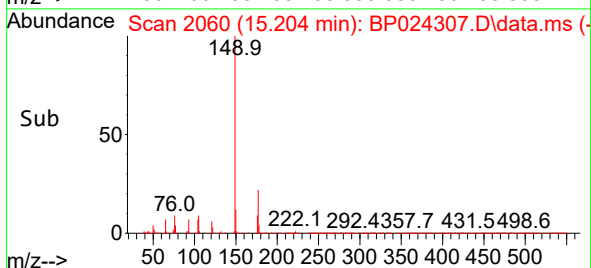
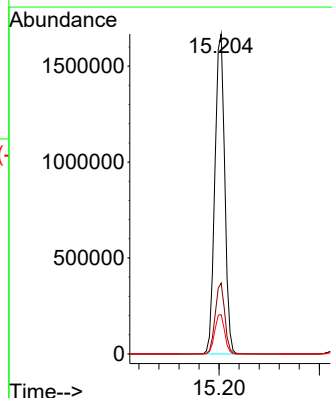
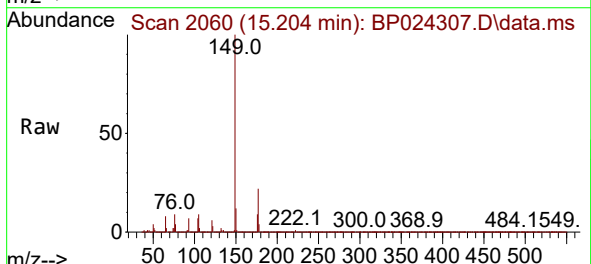
Instrument :  
BNA\_P  
ClientSampleId :  
PB167599BS

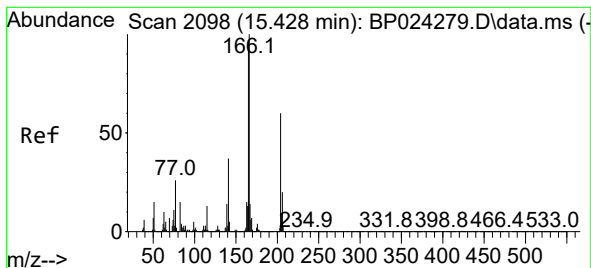
Tgt Ion:232 Resp: 596270  
Ion Ratio Lower Upper  
232 100  
131 47.0 36.8 55.2  
130 2.4 1.9 2.9  
166 31.6 25.0 37.6



#60  
Diethylphthalate  
Concen: 43.563 ng  
RT: 15.204 min Scan# 2060  
Delta R.T. -0.018 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

Tgt Ion:149 Resp: 2261118  
Ion Ratio Lower Upper  
149 100  
177 22.2 17.4 26.2  
150 12.3 10.1 15.1

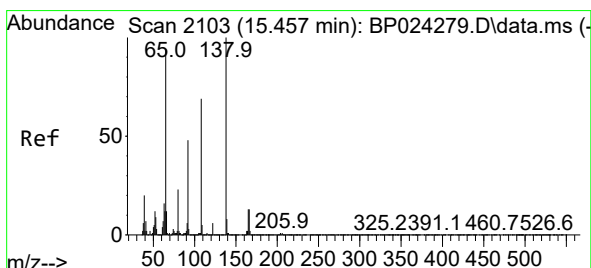
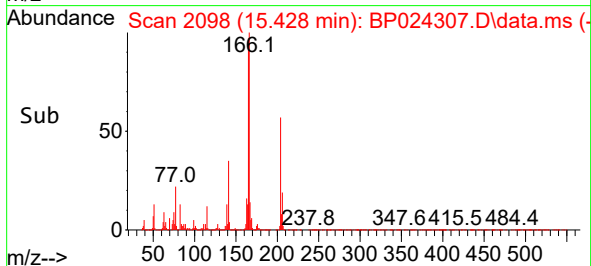
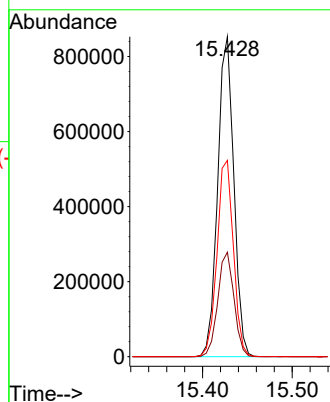
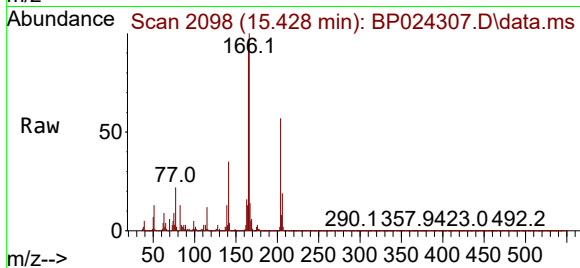




#61  
4-Chlorophenyl-phenylether  
Concen: 45.602 ng  
RT: 15.428 min Scan# 2098  
Delta R.T. -0.012 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

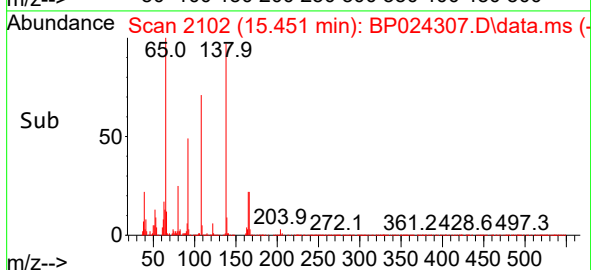
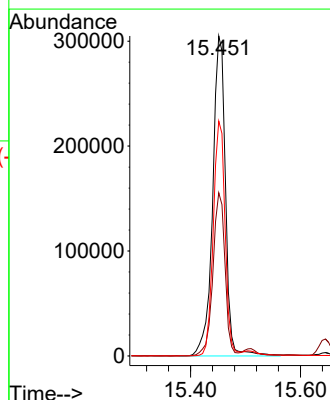
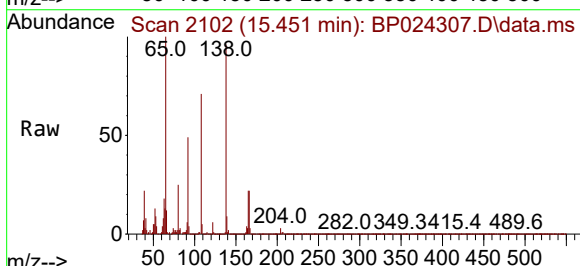
Instrument :  
BNA\_P  
ClientSampleId :  
PB167599BS

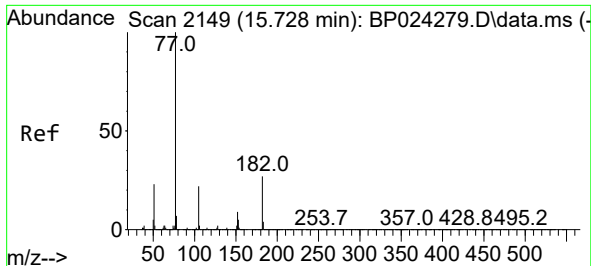
Tgt Ion:204 Resp: 1064188  
Ion Ratio Lower Upper  
204 100  
206 32.7 26.5 39.7  
141 61.3 49.4 74.0



#62  
4-Nitroaniline  
Concen: 41.599 ng  
RT: 15.451 min Scan# 2102  
Delta R.T. -0.018 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

Tgt Ion:138 Resp: 495024  
Ion Ratio Lower Upper  
138 100  
92 51.0 27.8 67.8  
108 73.4 48.9 88.9



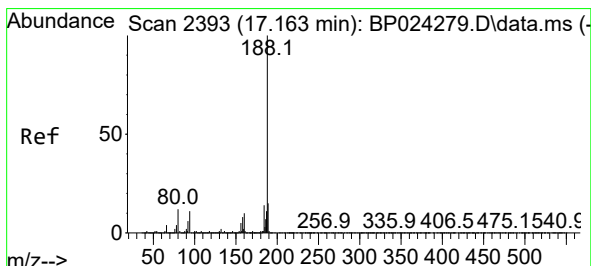
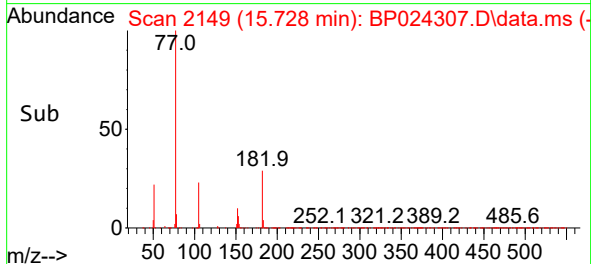
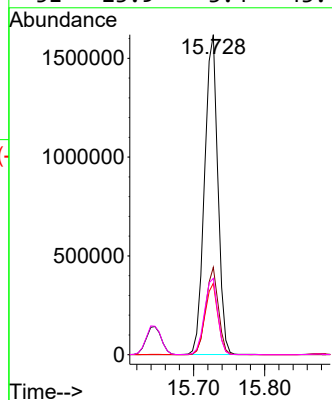
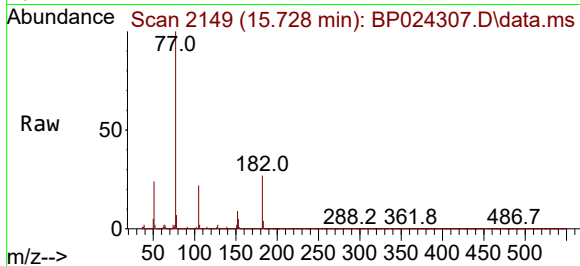


#63  
Azobenzene  
Concen: 44.197 ng  
RT: 15.728 min Scan# 2149  
Delta R.T. -0.012 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

Instrument :  
BNA\_P  
ClientSampleId :  
PB167599BS

Tgt Ion: 77 Resp: 2108466

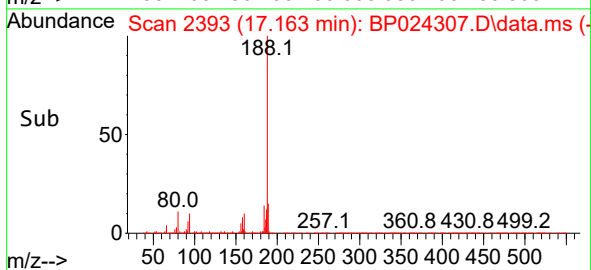
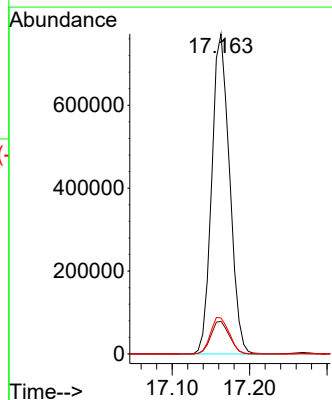
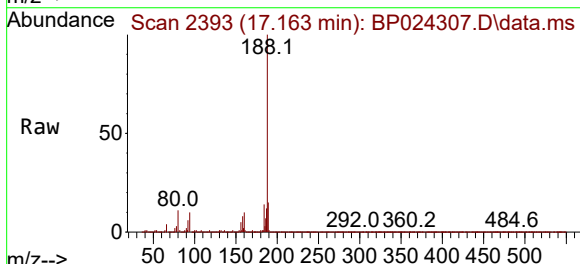
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 182 | 27.3  | 7.3   | 47.3  |
| 105 | 22.3  | 2.3   | 42.3  |
| 51  | 23.9  | 3.4   | 43.4  |

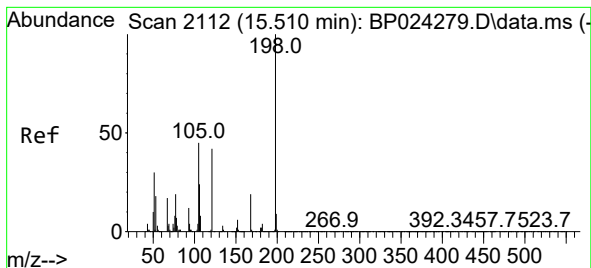


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.163 min Scan# 2393  
Delta R.T. -0.018 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

Tgt Ion: 188 Resp: 1235309

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 10.2  | 8.6   | 13.0  |
| 80  | 11.2  | 9.8   | 14.6  |

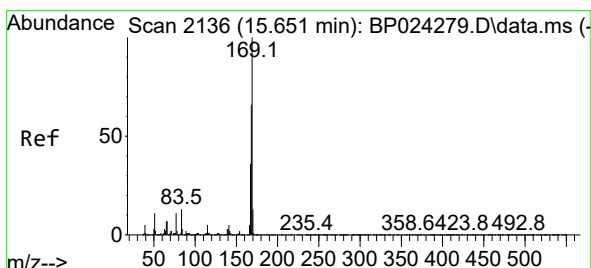
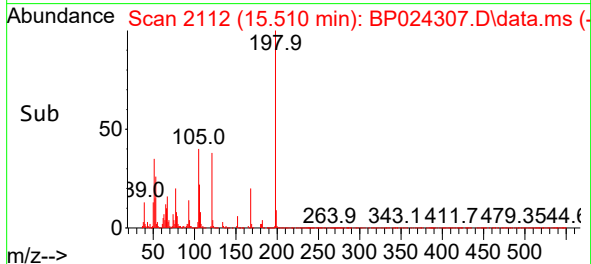
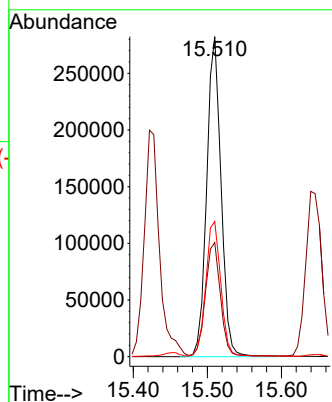
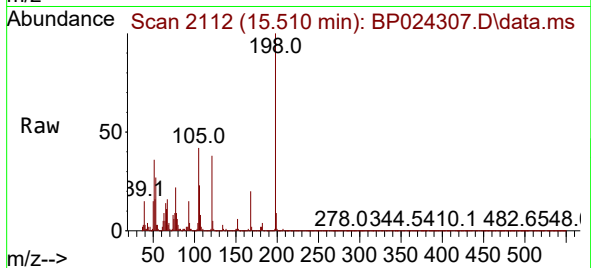




#65  
4,6-Dinitro-2-methylphenol  
Concen: 48.863 ng  
RT: 15.510 min Scan# 2112  
Delta R.T. -0.018 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

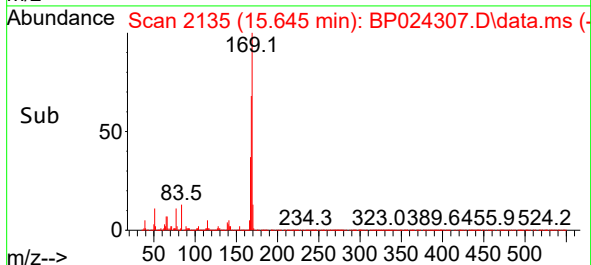
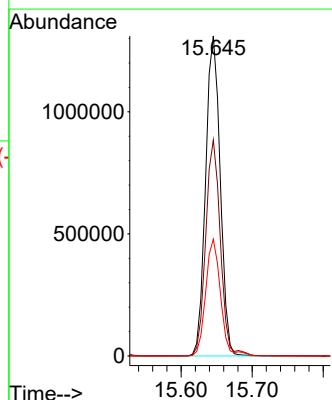
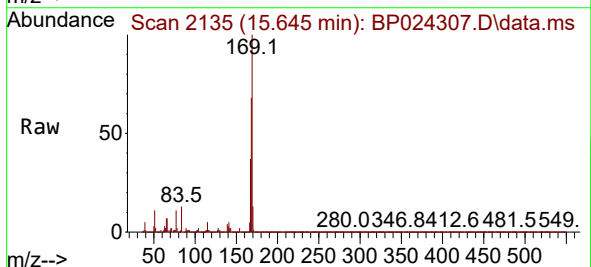
Instrument :  
BNA\_P  
ClientSampleId :  
PB167599BS

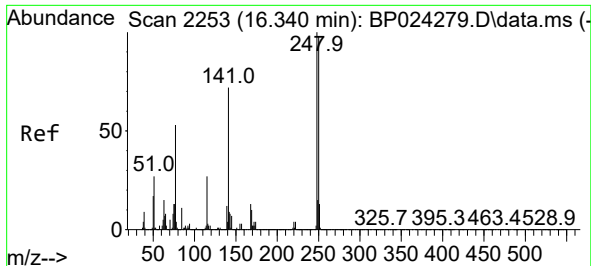
Tgt Ion:198 Resp: 380553  
Ion Ratio Lower Upper  
198 100  
51 35.7 18.4 58.4  
105 42.2 26.5 66.5



#66  
n-Nitrosodiphenylamine  
Concen: 50.904 ng  
RT: 15.645 min Scan# 2135  
Delta R.T. -0.012 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

Tgt Ion:169 Resp: 1876900  
Ion Ratio Lower Upper  
169 100  
168 67.5 53.0 79.4  
167 36.5 28.9 43.3

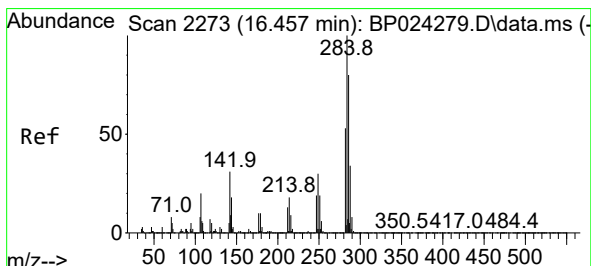
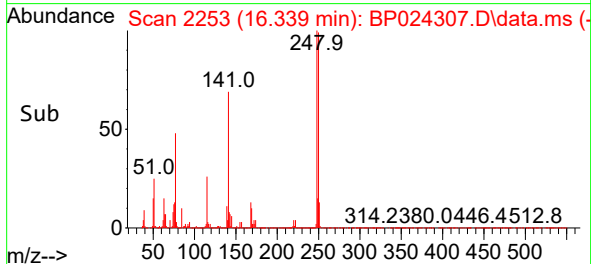
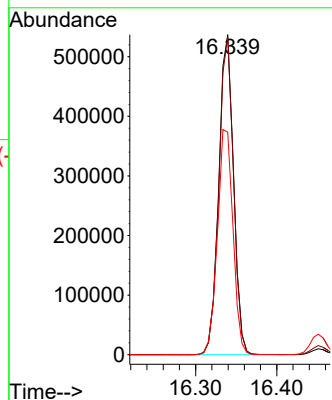
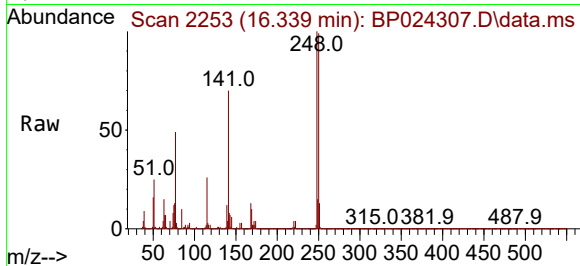




#67  
4-Bromophenyl-phenylether  
Concen: 50.449 ng  
RT: 16.339 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

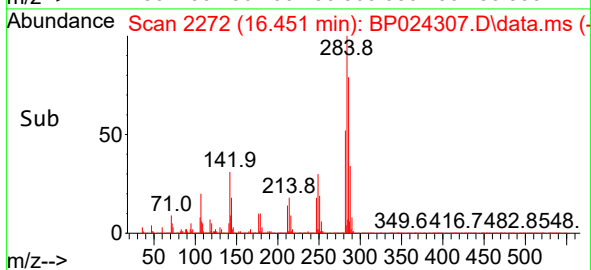
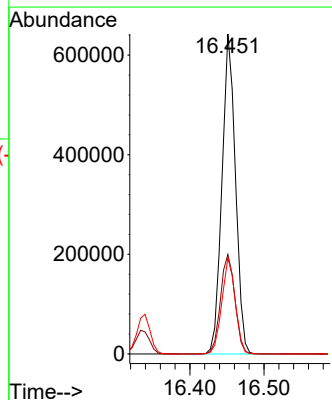
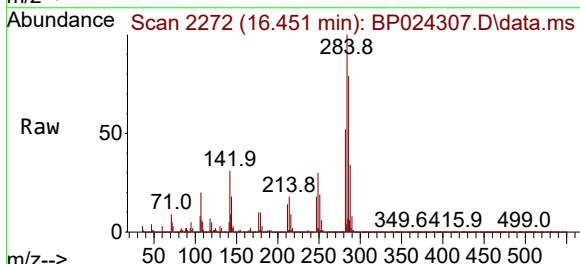
Instrument :  
BNA\_P  
ClientSampleId :  
PB167599BS

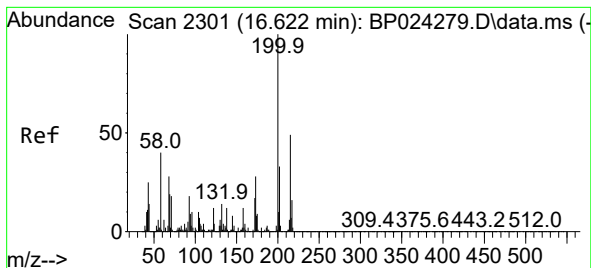
Tgt Ion:248 Resp: 681582  
Ion Ratio Lower Upper  
248 100  
250 99.4 78.2 117.4  
141 69.6 57.7 86.5



#68  
Hexachlorobenzene  
Concen: 50.591 ng  
RT: 16.451 min Scan# 2272  
Delta R.T. -0.018 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

Tgt Ion:284 Resp: 812194  
Ion Ratio Lower Upper  
284 100  
142 31.1 24.6 37.0  
249 30.0 23.8 35.6





#69

Atrazine

Concen: 67.161 ng

RT: 16.622 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP024307.D

Acq: 16 Apr 2025 11:45

Instrument :

BNA\_P

ClientSampleId :

PB167599BS

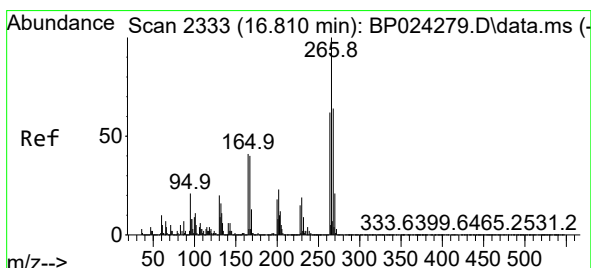
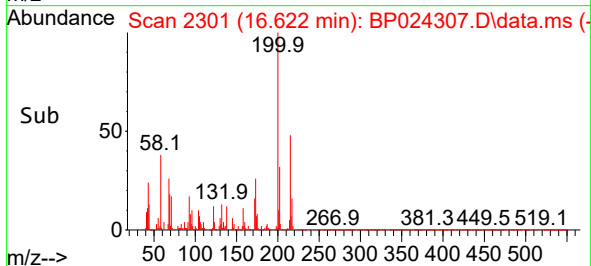
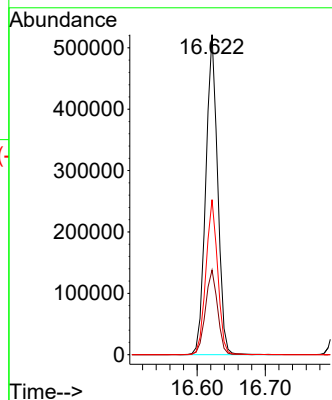
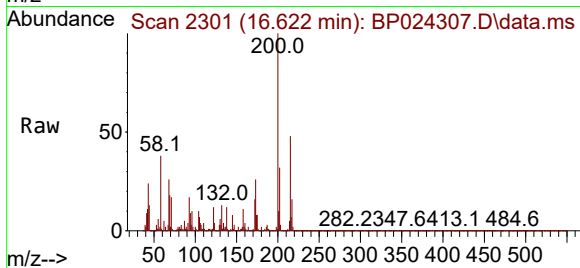
Tgt Ion:200 Resp: 630691

Ion Ratio Lower Upper

200 100

173 26.4 7.5 47.5

215 48.5 28.8 68.8



#70

Pentachlorophenol

Concen: 97.486 ng

RT: 16.816 min Scan# 2334

Delta R.T. -0.012 min

Lab File: BP024307.D

Acq: 16 Apr 2025 11:45

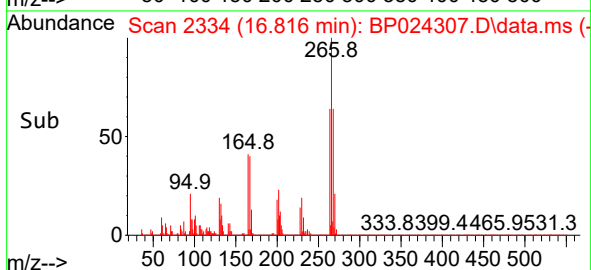
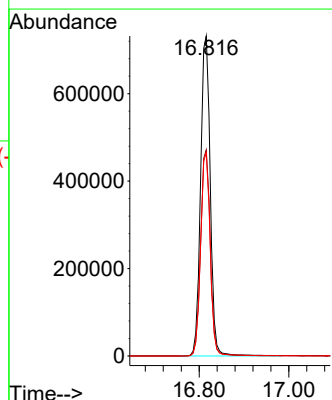
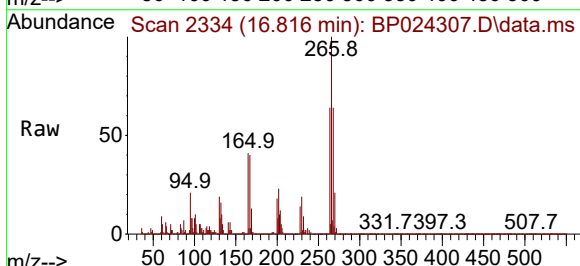
Tgt Ion:266 Resp: 1091811

Ion Ratio Lower Upper

266 100

268 64.4 51.0 76.6

264 63.5 49.8 74.6





#71

Phenanthrene

Concen: 47.680 ng

RT: 17.210 min Scan# 2401

Delta R.T. -0.018 min

Lab File: BP024307.D

Acq: 16 Apr 2025 11:45

Instrument :

BNA\_P

ClientSampleId :

PB167599BS

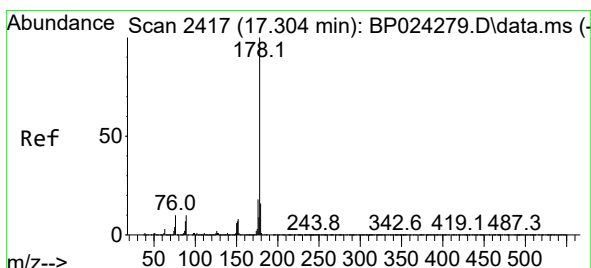
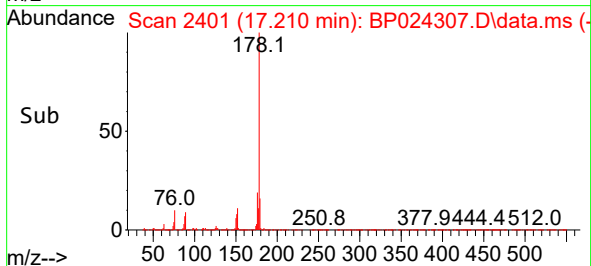
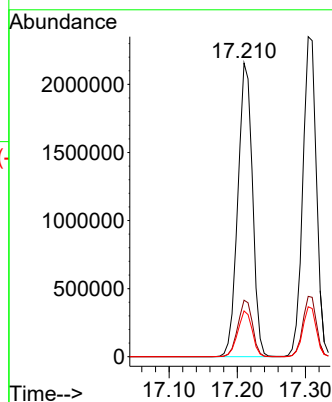
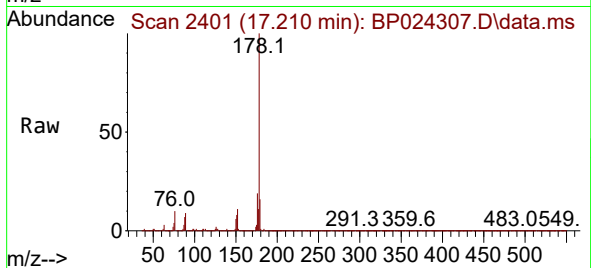
Tgt Ion:178 Resp: 3213132

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.0

179 15.6 12.5 18.7



#72

Anthracene

Concen: 50.730 ng

RT: 17.304 min Scan# 2417

Delta R.T. -0.012 min

Lab File: BP024307.D

Acq: 16 Apr 2025 11:45

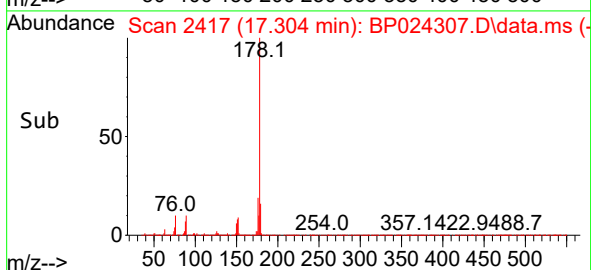
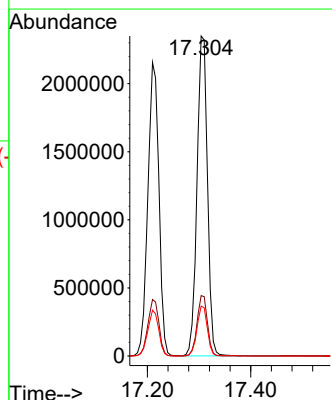
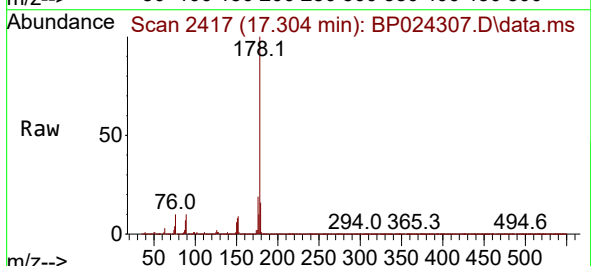
Tgt Ion:178 Resp: 3294916

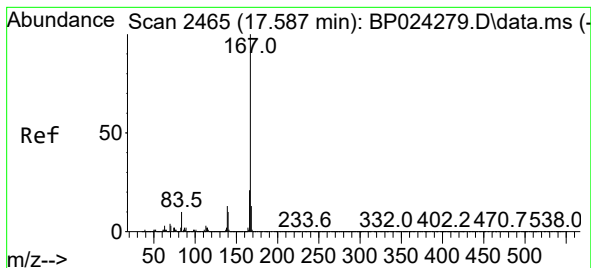
Ion Ratio Lower Upper

178 100

176 18.8 14.7 22.1

179 15.6 12.4 18.6





#73

Carbazole

Concen: 46.776 ng

RT: 17.586 min Scan# 24

Delta R.T. -0.018 min

Lab File: BP024307.D

Acq: 16 Apr 2025 11:45

Instrument :

BNA\_P

ClientSampleId :

PB167599BS

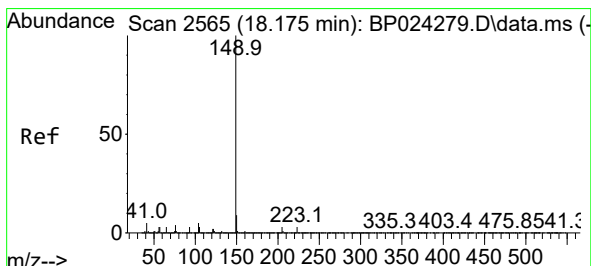
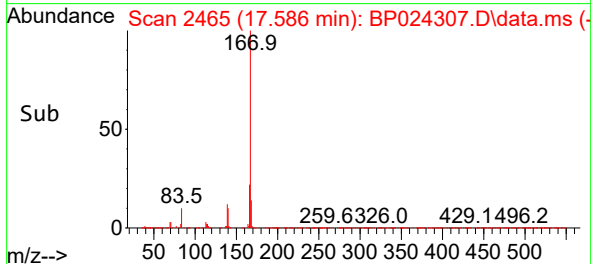
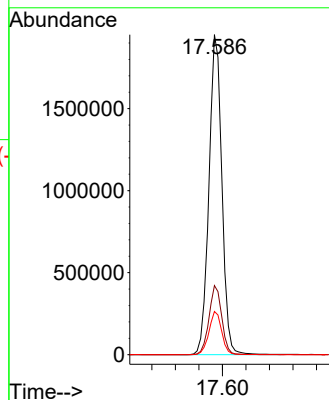
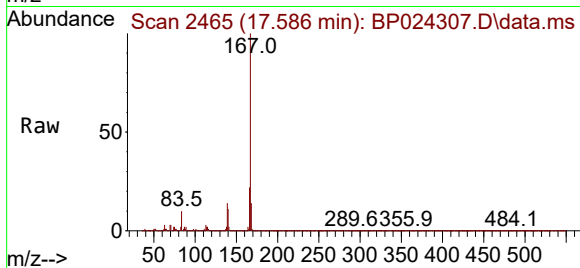
Tgt Ion:167 Resp: 2968495

Ion Ratio Lower Upper

167 100

166 21.6 17.1 25.7

139 13.5 10.6 16.0



#74

Di-n-butylphthalate

Concen: 46.192 ng

RT: 18.175 min Scan# 2565

Delta R.T. -0.018 min

Lab File: BP024307.D

Acq: 16 Apr 2025 11:45

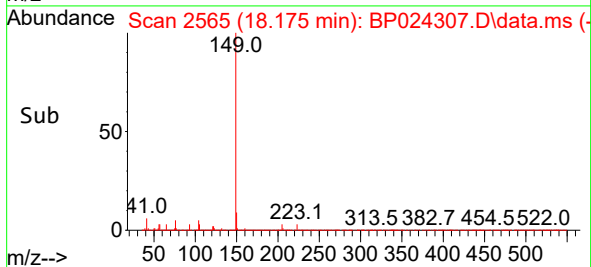
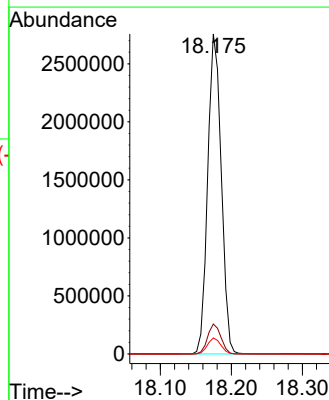
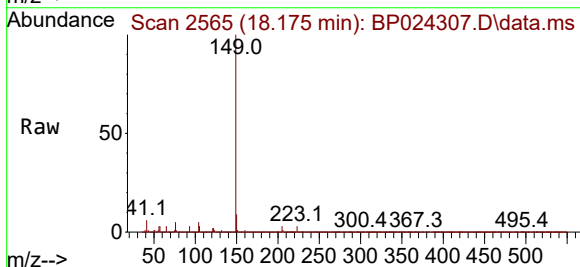
Tgt Ion:149 Resp: 3652140

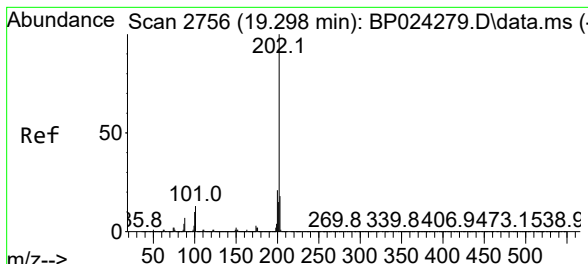
Ion Ratio Lower Upper

149 100

150 9.3 7.4 11.2

104 5.0 3.9 5.9



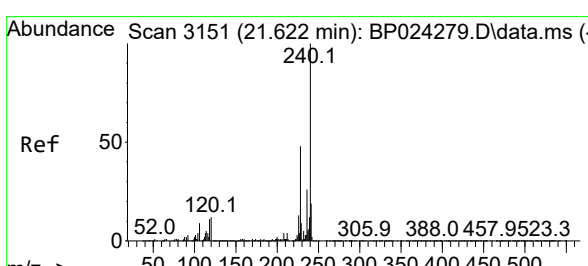
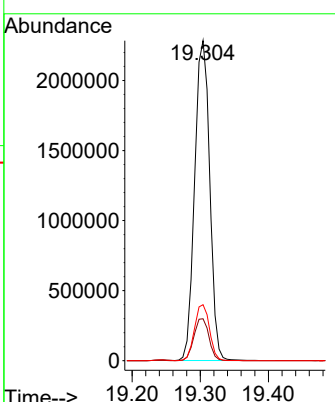
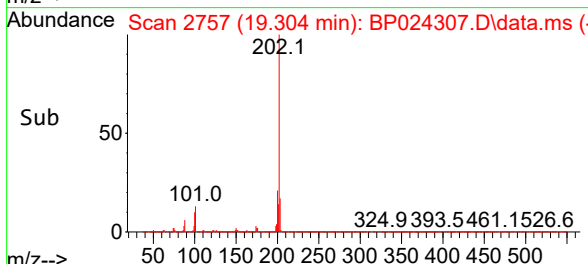
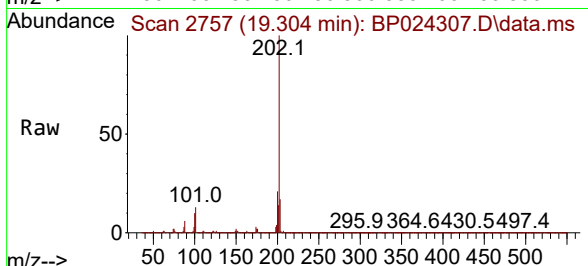


#75  
 Fluoranthene  
 Concen: 43.726 ng  
 RT: 19.304 min Scan# 21  
 Delta R.T. -0.012 min  
 Lab File: BP024307.D  
 Acq: 16 Apr 2025 11:45

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB167599BS

Tgt Ion: 202 Resp: 3504610

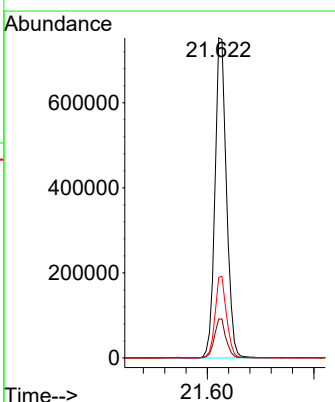
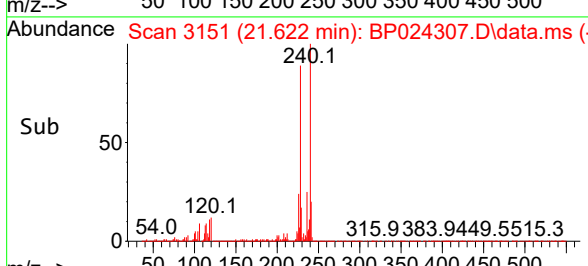
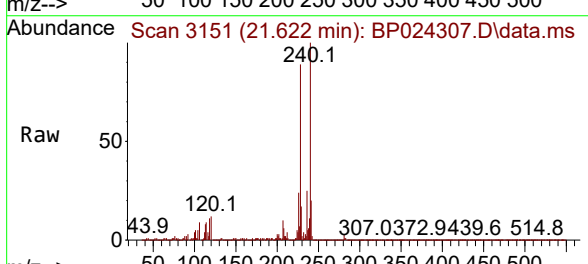
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 13.1  | 0.0   | 33.2  |
| 203 | 17.5  | 0.0   | 37.7  |

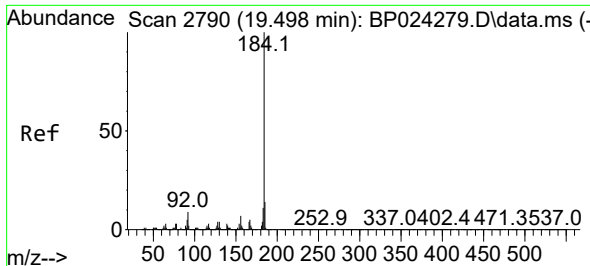


#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.622 min Scan# 3151  
 Delta R.T. 0.000 min  
 Lab File: BP024307.D  
 Acq: 16 Apr 2025 11:45

Tgt Ion: 240 Resp: 1127025

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 240 | 100   |       |       |
| 120 | 12.1  | 9.8   | 14.8  |
| 236 | 25.2  | 20.9  | 31.3  |

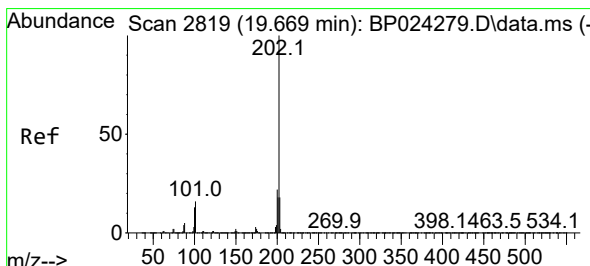
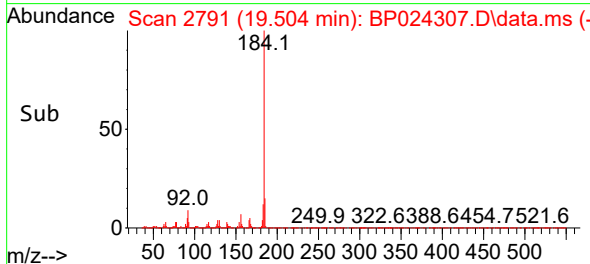
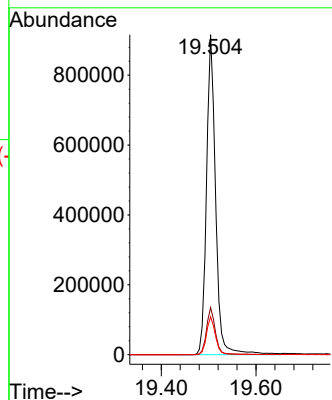
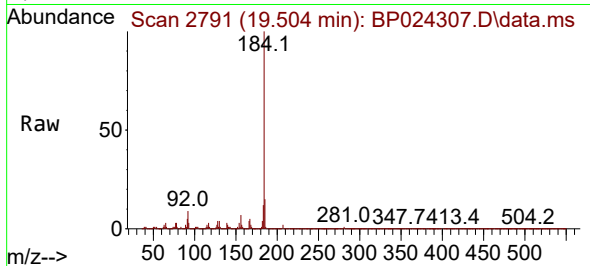




#77  
Benzidine  
Concen: 85.503 ng  
RT: 19.504 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

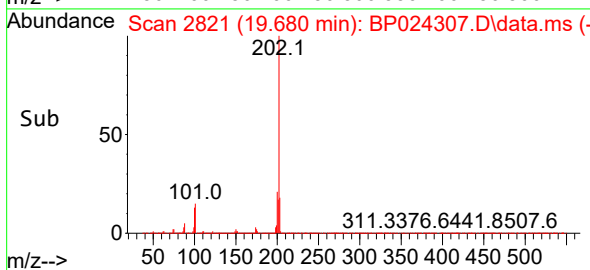
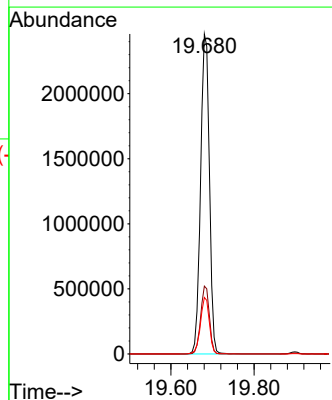
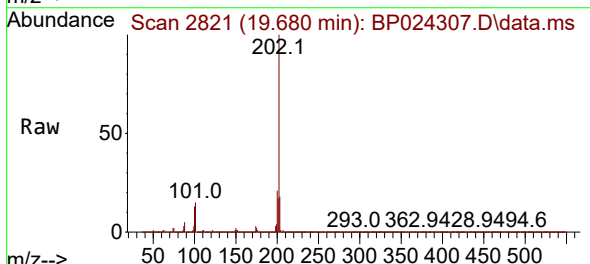
Instrument :  
BNA\_P  
ClientSampleId :  
PB167599BS

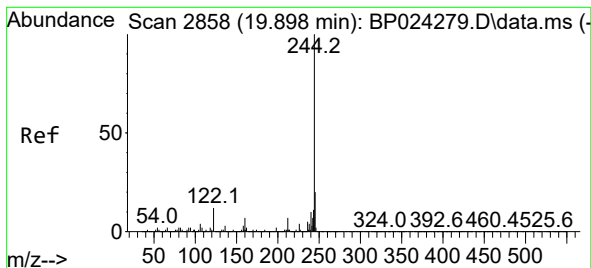
Tgt Ion:184 Resp: 1221501  
Ion Ratio Lower Upper  
184 100  
185 14.8 11.6 17.4  
183 11.9 9.2 13.8



#78  
Pyrene  
Concen: 50.530 ng  
RT: 19.680 min Scan# 2821  
Delta R.T. -0.006 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

Tgt Ion:202 Resp: 3619177  
Ion Ratio Lower Upper  
202 100  
200 21.2 17.2 25.8  
203 17.6 14.4 21.6





#79

Terphenyl-d14

Concen: 103.452 ng

RT: 19.898 min Scan# 2858

Delta R.T. -0.023 min

Lab File: BP024307.D

Acq: 16 Apr 2025 11:45

Instrument :

BNA\_P

ClientSampleId :

PB167599BS

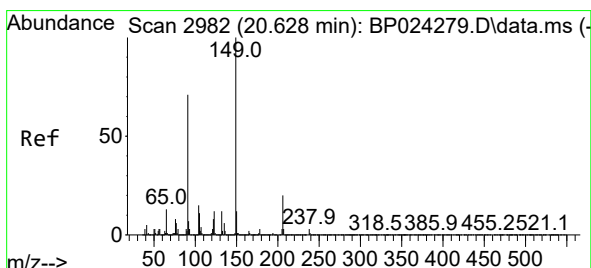
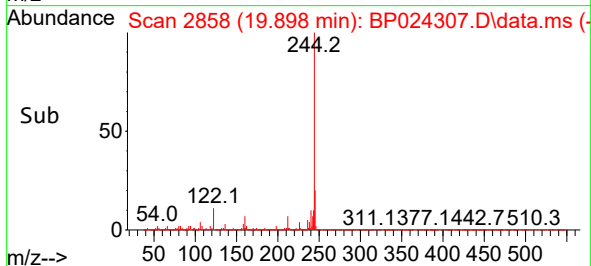
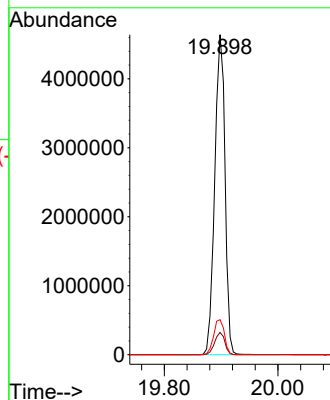
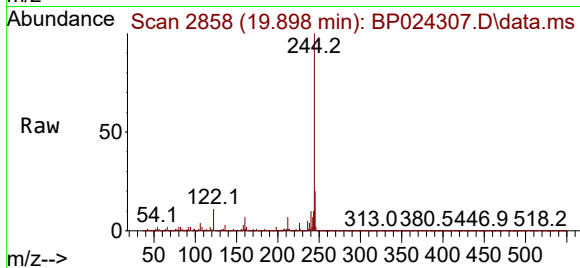
Tgt Ion:244 Resp: 5784419

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 11.0 9.4 14.0



#80

Butylbenzylphthalate

Concen: 50.638 ng

RT: 20.633 min Scan# 2983

Delta R.T. -0.012 min

Lab File: BP024307.D

Acq: 16 Apr 2025 11:45

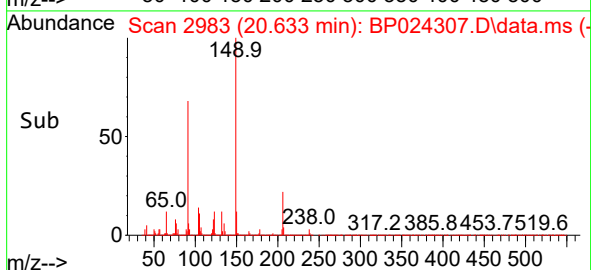
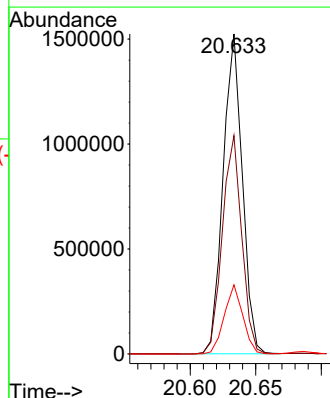
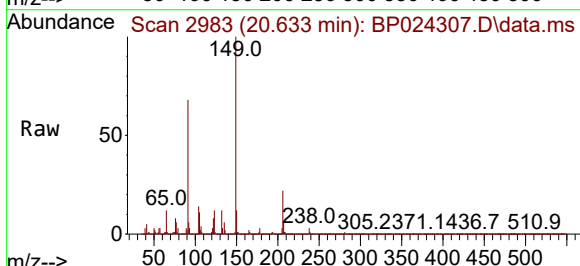
Tgt Ion:149 Resp: 1553494

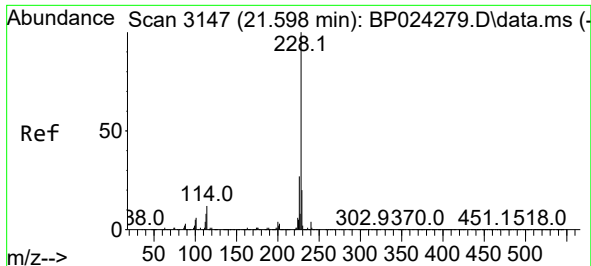
Ion Ratio Lower Upper

149 100

91 68.3 56.4 84.6

206 21.6 16.3 24.5

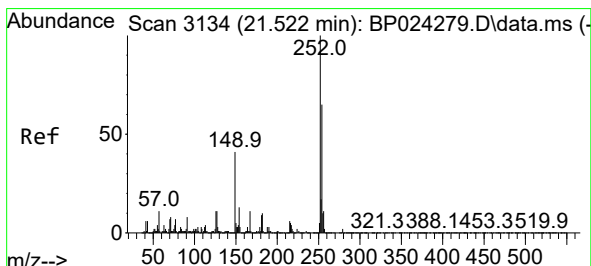
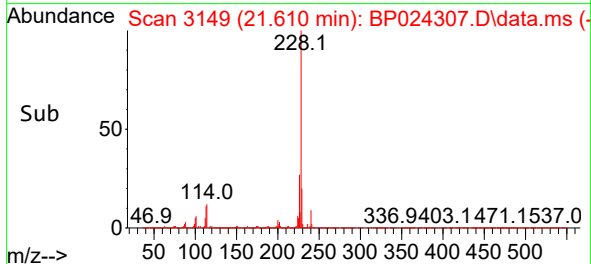
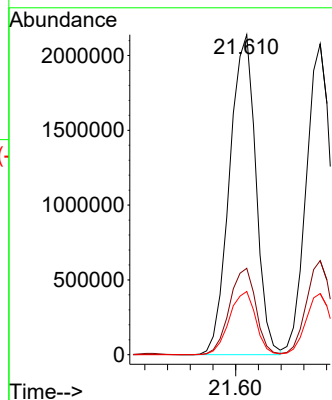
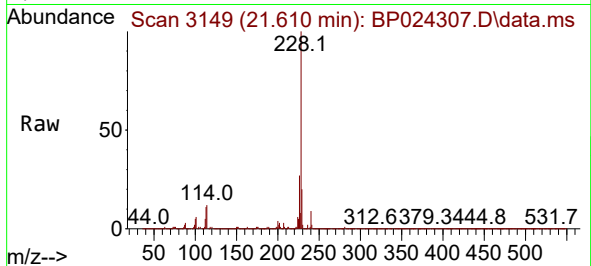




#81  
Benzo(a)anthracene  
Concen: 49.025 ng  
RT: 21.610 min Scan# 3149  
Delta R.T. 0.006 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

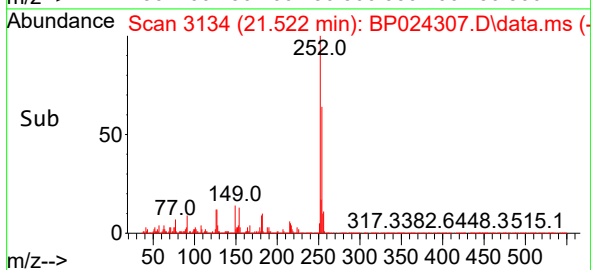
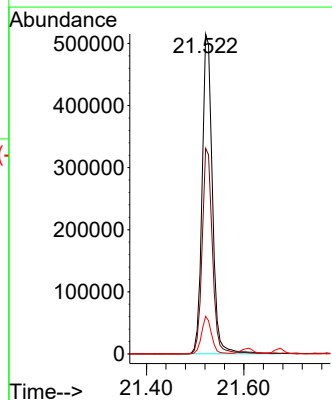
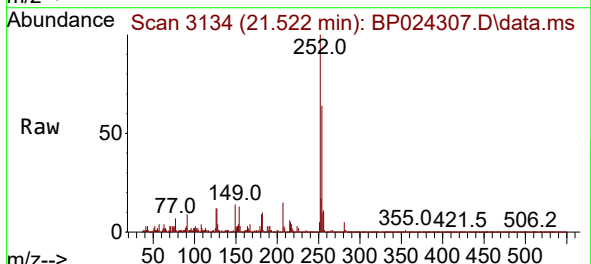
Instrument :  
BNA\_P  
ClientSampleId :  
PB167599BS

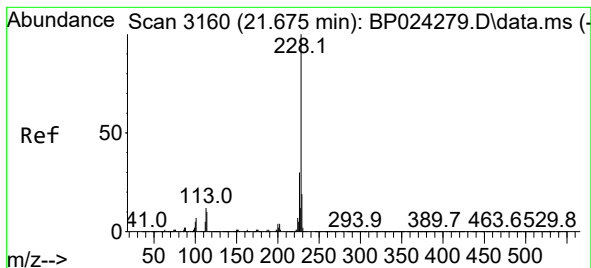
Tgt Ion:228 Resp: 3434274  
Ion Ratio Lower Upper  
228 100  
226 27.0 21.8 32.8  
229 19.8 15.9 23.9



#82  
3,3'-Dichlorobenzidine  
Concen: 30.699 ng  
RT: 21.522 min Scan# 3134  
Delta R.T. -0.018 min  
Lab File: BP024307.D  
Acq: 16 Apr 2025 11:45

Tgt Ion:252 Resp: 754810  
Ion Ratio Lower Upper  
252 100  
254 64.3 51.7 77.5  
126 11.8 8.8 13.2





#83

Chrysene

Concen: 47.431 ng

RT: 21.674 min Scan# 3160

Delta R.T. -0.006 min

Lab File: BP024307.D

Acq: 16 Apr 2025 11:45

Instrument :

BNA\_P

ClientSampleId :

PB167599BS

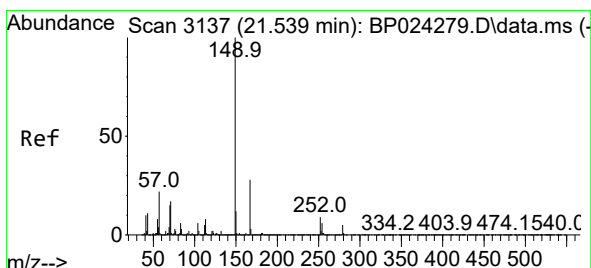
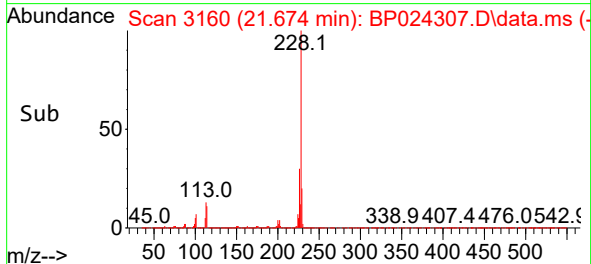
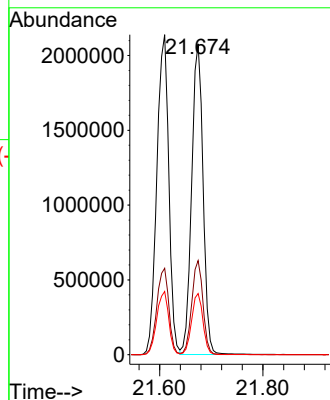
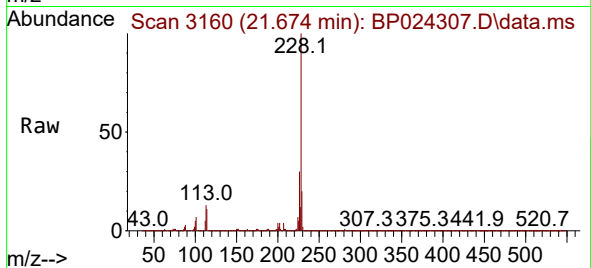
Tgt Ion:228 Resp: 3183239

Ion Ratio Lower Upper

228 100

226 30.2 24.2 36.2

229 19.6 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.802 ng

RT: 21.545 min Scan# 3138

Delta R.T. 0.000 min

Lab File: BP024307.D

Acq: 16 Apr 2025 11:45

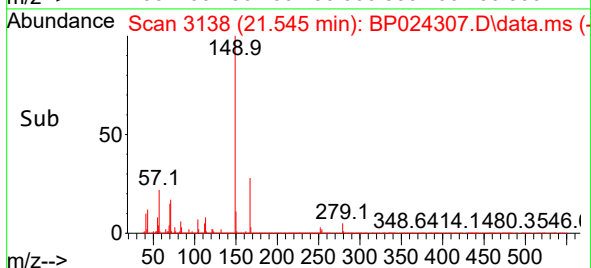
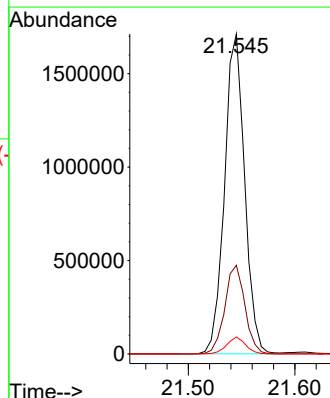
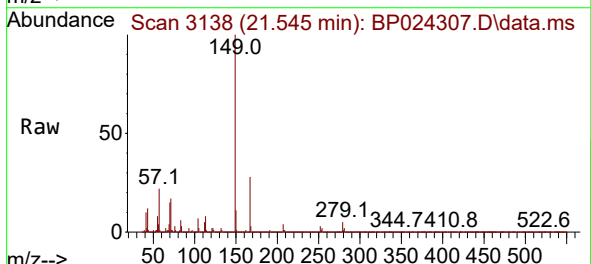
Tgt Ion:149 Resp: 2239743

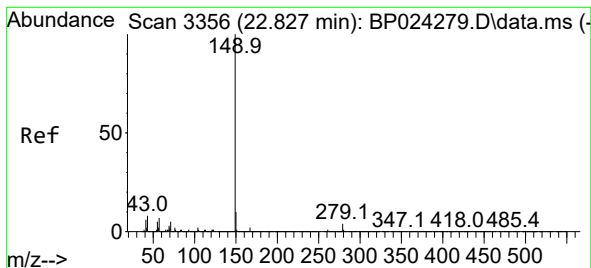
Ion Ratio Lower Upper

149 100

167 27.7 22.4 33.6

279 5.3 4.0 6.0





#85

Di-n-octyl phthalate

Concen: 51.003 ng

RT: 22.833 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP024307.D

Acq: 16 Apr 2025 11:45

Instrument :

BNA\_P

ClientSampleId :

PB167599BS

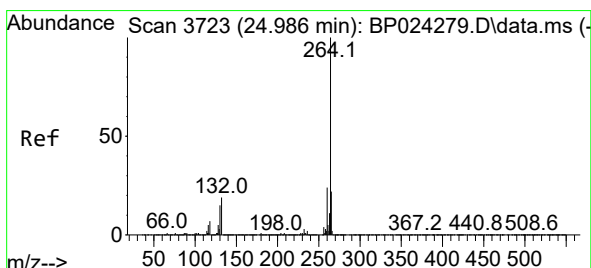
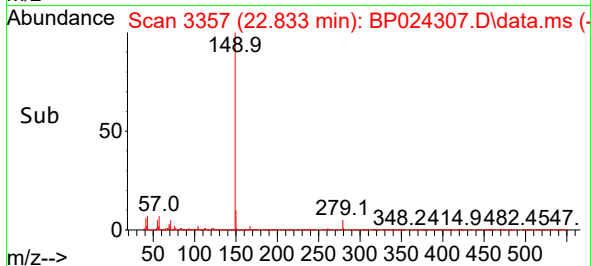
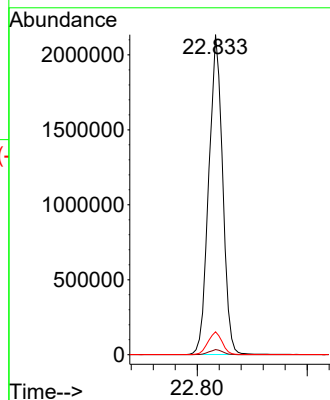
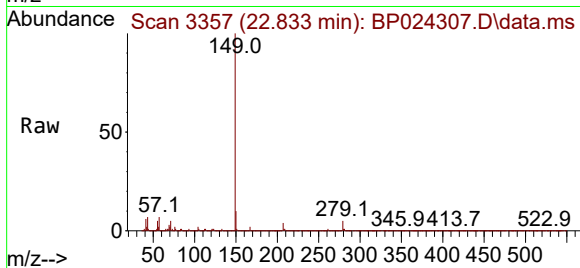
Tgt Ion:149 Resp: 3728987

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 7.3 6.0 9.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.980 min Scan# 3722

Delta R.T. -0.006 min

Lab File: BP024307.D

Acq: 16 Apr 2025 11:45

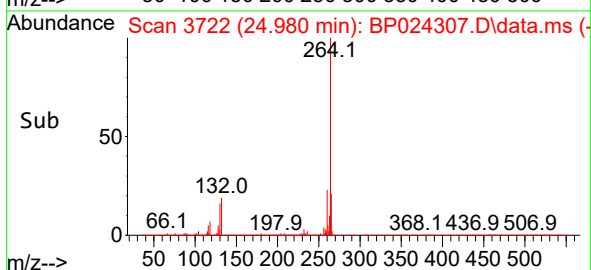
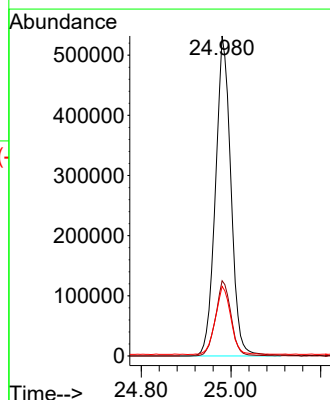
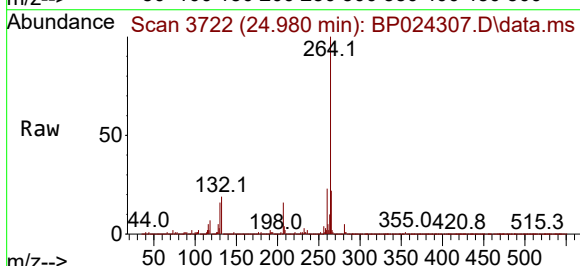
Tgt Ion:264 Resp: 1273745

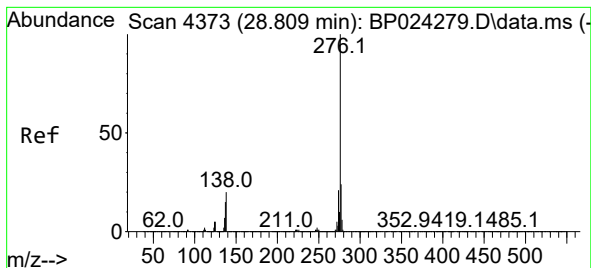
Ion Ratio Lower Upper

264 100

260 23.5 18.9 28.3

265 21.8 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 55.047 ng

RT: 28.809 min Scan# 4373

Delta R.T. -0.006 min

Lab File: BP024307.D

Acq: 16 Apr 2025 11:45

Instrument :

BNA\_P

ClientSampleId :

PB167599BS

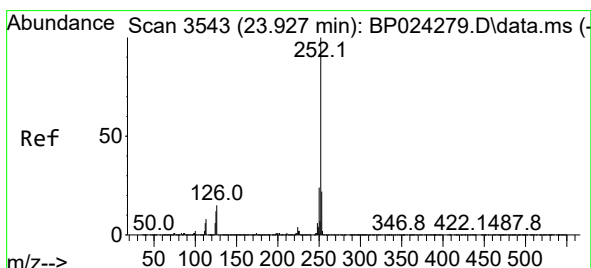
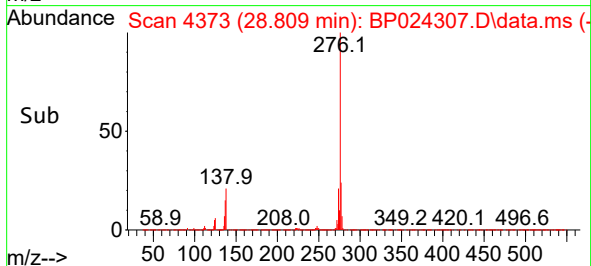
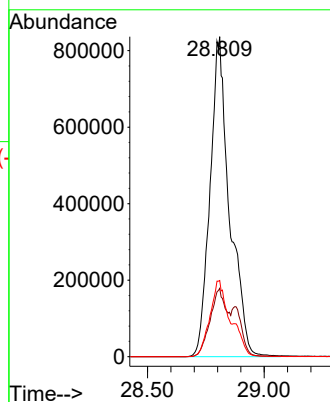
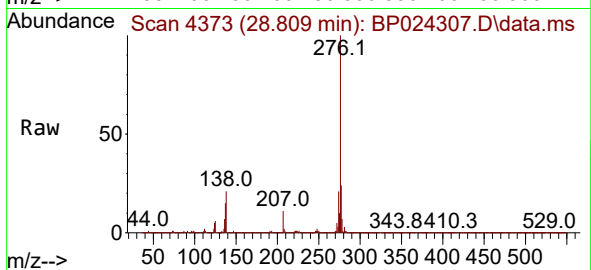
Tgt Ion:276 Resp: 4867750

Ion Ratio Lower Upper

276 100

138 18.4 14.5 21.7

277 20.4 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 47.074 ng

RT: 23.927 min Scan# 3543

Delta R.T. -0.006 min

Lab File: BP024307.D

Acq: 16 Apr 2025 11:45

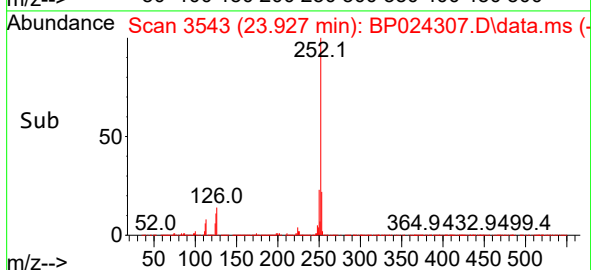
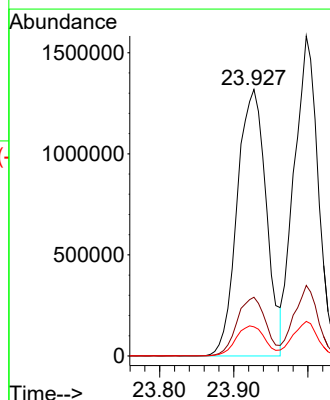
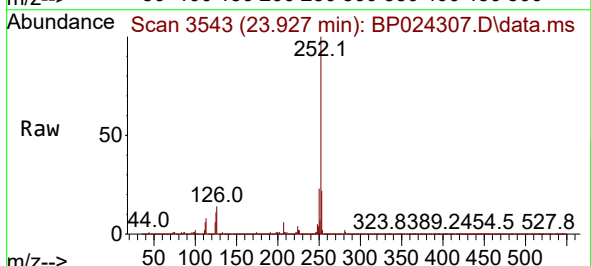
Tgt Ion:252 Resp: 3594046

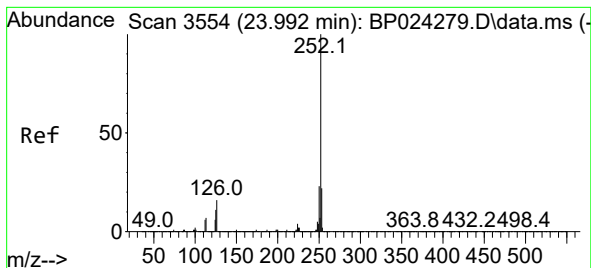
Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

125 11.0 9.4 14.0





#89

Benzo(k)fluoranthene

Concen: 48.438 ng

RT: 23.998 min Scan# 3

Delta R.T. 0.000 min

Lab File: BP024307.D

Acq: 16 Apr 2025 11:45

Instrument :

BNA\_P

ClientSampleId :

PB167599BS

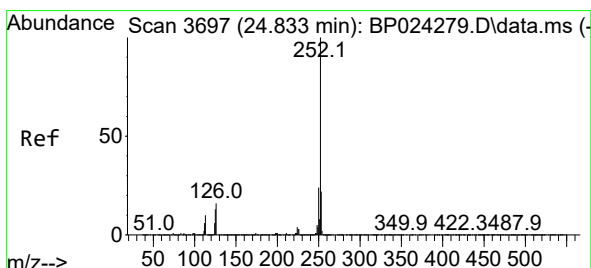
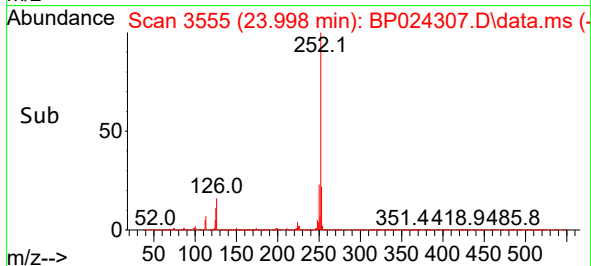
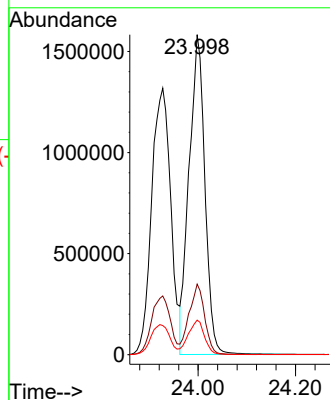
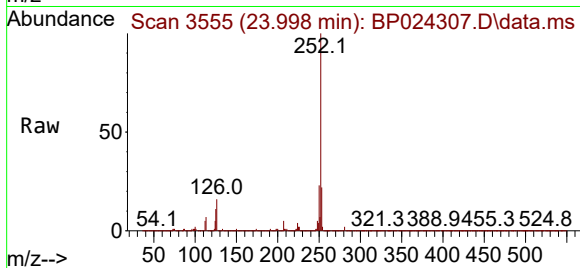
Tgt Ion:252 Resp: 3572284

Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 10.8 9.1 13.7



#90

Benzo(a)pyrene

Concen: 52.999 ng

RT: 24.827 min Scan# 3696

Delta R.T. -0.006 min

Lab File: BP024307.D

Acq: 16 Apr 2025 11:45

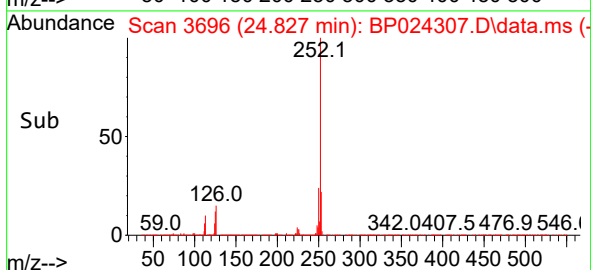
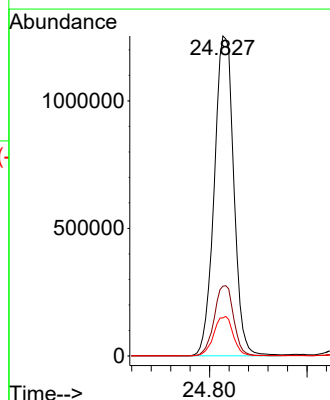
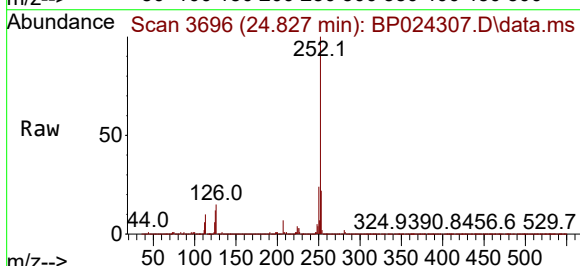
Tgt Ion:252 Resp: 3490438

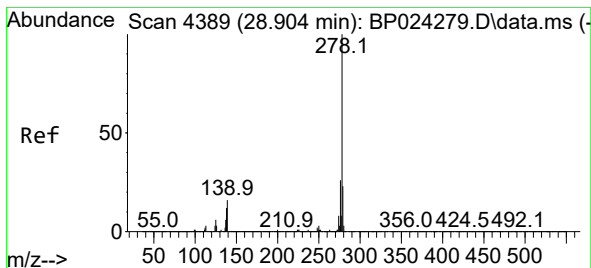
Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

125 11.9 10.1 15.1





#91

Dibenzo(a,h)anthracene

Concen: 54.275 ng

RT: 28.880 min Scan# 41

Delta R.T. -0.006 min

Lab File: BP024307.D

Acq: 16 Apr 2025 11:45

Instrument :

BNA\_P

ClientSampleId :

PB167599BS

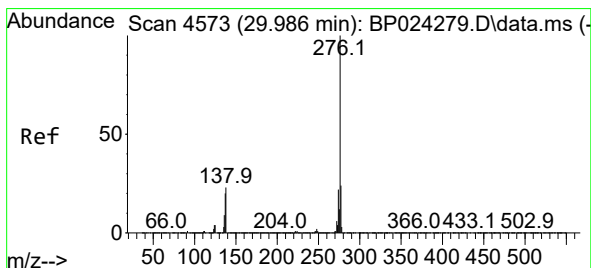
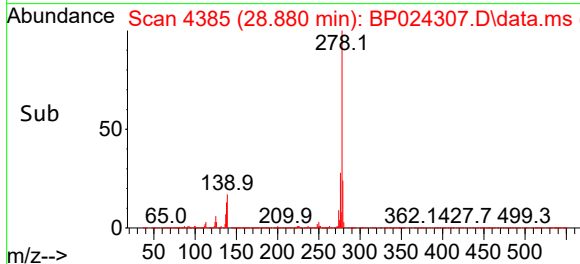
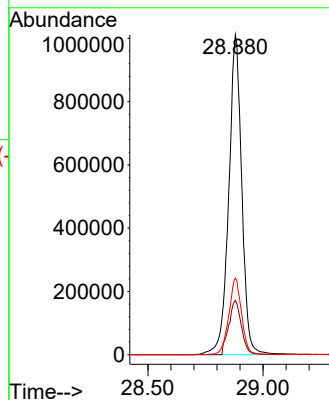
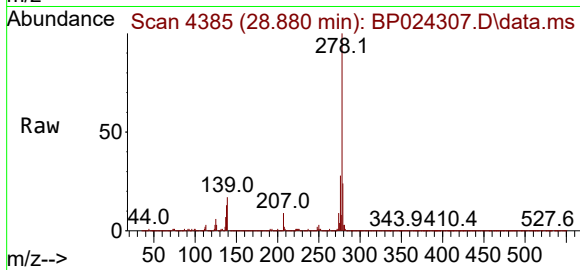
Tgt Ion:278 Resp: 3983698

Ion Ratio Lower Upper

278 100

139 17.0 12.6 19.0

279 23.9 18.5 27.7



#92

Benzo(g,h,i)perylene

Concen: 52.789 ng

RT: 29.986 min Scan# 4573

Delta R.T. -0.012 min

Lab File: BP024307.D

Acq: 16 Apr 2025 11:45

Tgt Ion:276 Resp: 3943803

Ion Ratio Lower Upper

276 100

277 23.6 18.9 28.3

138 22.4 18.7 28.1

